

Mini Hi-Fi Component System

Operating Instructions



*DHC-EX880MD
DHC-MD717*

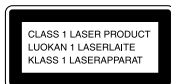
WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

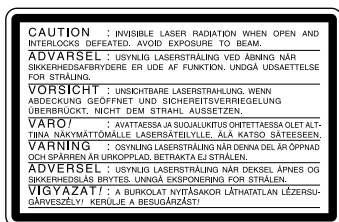
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

This caution label is located inside the unit.



IMPORTANT

Never connect two mains leads into a single mains plug.

For TA-EX880/TA-MS717

The mains lead plug of TA-EX880/TA-MS717 is a 2-pin type designed to be connected only to ST-EX880/ST-MS717.

Do not connect this plug to any other system or mains supply.



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* DHC-EX880MD only

Step 1: Hooking up the system

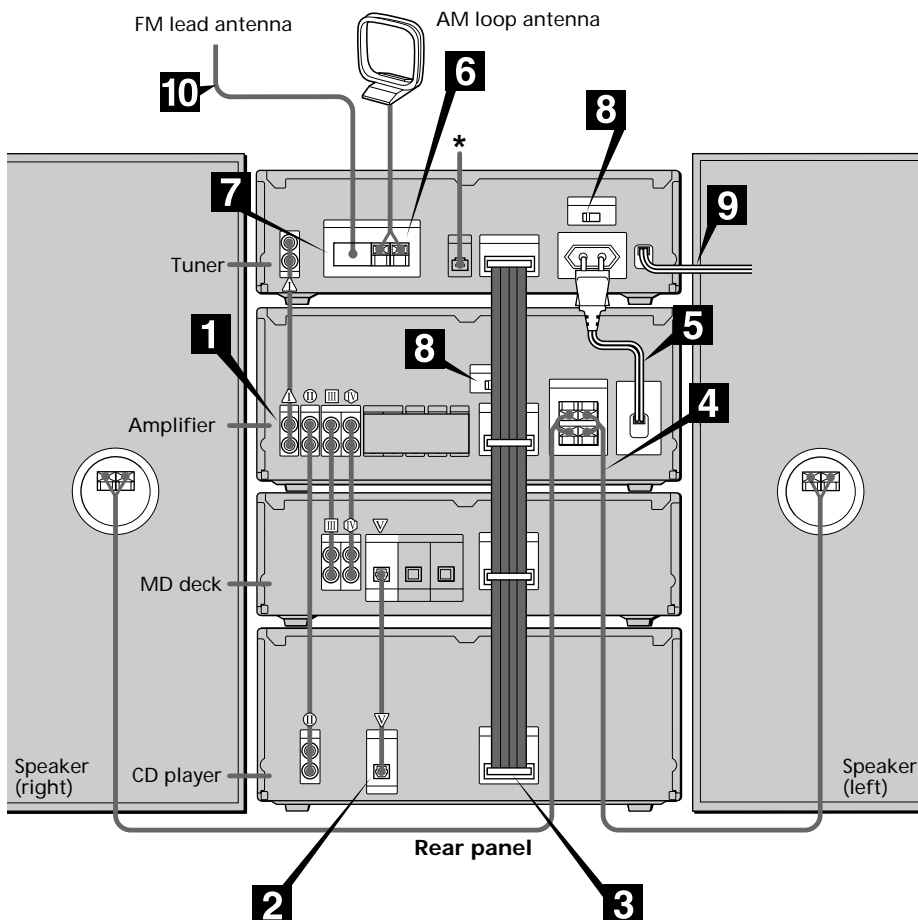
Perform the following procedure **1** to **10** to hook up your system using the supplied cords and accessories.

This system is designed for easy connection when the components are stacked vertically as shown below. Be sure to stack the components in the same order shown in the illustration to prevent misconnection.

The supplied antennas are for indoor use. We recommend connecting an outdoor antenna (optional) to ensure stable reception. See page 79 for connecting outdoor antennas and other optional equipment.

Preparations

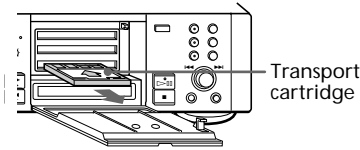
- 1 Take the transport cartridge out of the MD deck.
- 2 Remove the transit key on the bottom of the CD player.
- 3 Stack the components vertically in the order shown in the illustration below.



* Used to connect the optional TC-TX770 tape deck (for DHC-EX880MD only, see page 84).

Preparations

- 1 Take the transport cartridge out of the MD deck. (Pull the cartridge straight toward you, then diagonally upward.)



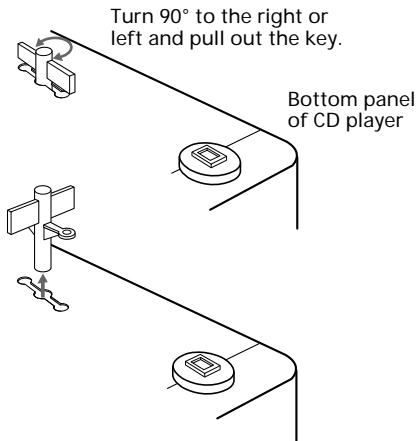
Tip

Keep the transport cartridge for future use. When you move the system, insert the cartridge into the lowermost slot of the MD deck in the same manner as when you purchased the system to prevent deck trouble (see page 87).

Note

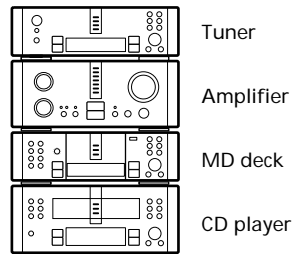
If you turn on the system without taking out the cartridge, "MD MECHA ERROR" appears. Turn off the system, wait until the clock appears in the display, then take out the cartridge.

- 2 Remove the transit key on the bottom of the CD player.



Tips

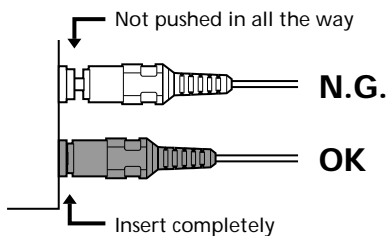
- Keep the transit key for future use. When you move the system, insert the transit key into the hole on the bottom of the CD player and turn it 90° in the same manner as when you purchased the system to prevent CD player trouble (see page 87).
 - If you do not remove the transit key, the CD player will not operate correctly.
 - If you do not remove the transit key, the CD player will rock when placed on a flat surface.
- 3 Stack the components vertically in the order shown in the illustration below (in the order of the CD player, MD deck, amplifier and tuner).



Step 1: Hooking up the system (continued)

- 1** Connect the audio cords to the jacks with the same Roman numerals (△, ㊦, ㊧, ㊨).

Connect the amplifier to the tuner, CD player and MD deck, using the audio cords (you have four). Match the color of the plugs and the jacks, and insert the plugs firmly, pushing them in all the way.



Tip

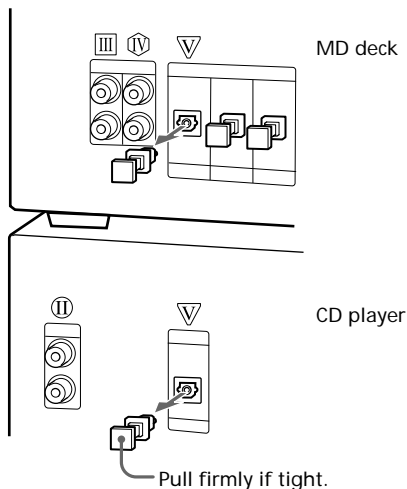
The audio cords are used to send analog signals between the components.

The signals are sent as follows:

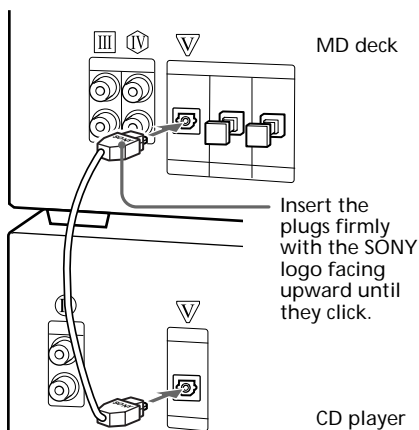
- △ jacks: Radio sound received by the tuner is sent to the amplifier.
- ㊦ jacks: CD sound is sent to the amplifier.
- ㊧ jacks: Amplifier sound is sent to the MD deck.
- ㊨ jacks: MD sound is sent to the amplifier.

- 2** Connect the ∇ connectors of the MD deck and CD player, using the optical cable.

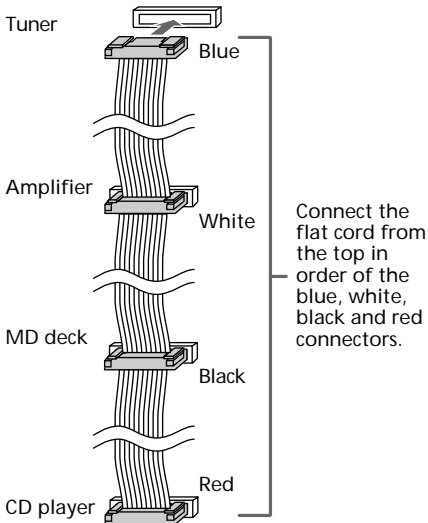
- 1** Take the caps off the ∇ connectors of the MD deck and CD player.



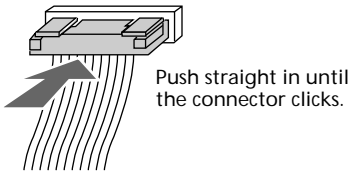
- 2** Insert the cable plugs.



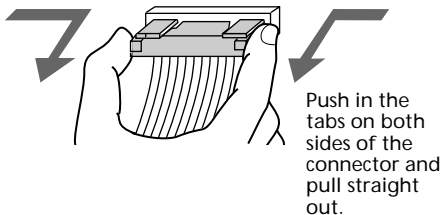
3 Connect the flat cord to the SYSTEM CONTROL connectors on each component with the same color.



To connect



To disconnect



Tip

The flat cord is used to send signals and electricity between the components for interlinked operation such as CD Synchro Recording.

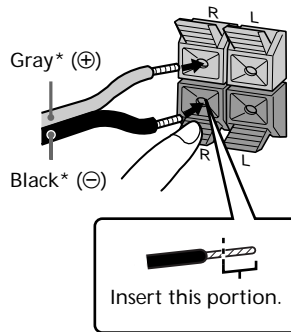
Note

Keep the flat cord away from the antennas to prevent noise during radio reception.

4 Connect the speakers.

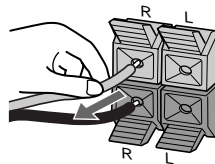
The supplied speakers can be used as either the left or right speakers.

- 1 Connect the speaker cords to the SPEAKER terminals of the same color.



* The color of your speaker cords might be different. See the manual provided with your speaker system for details (except for tourist model).

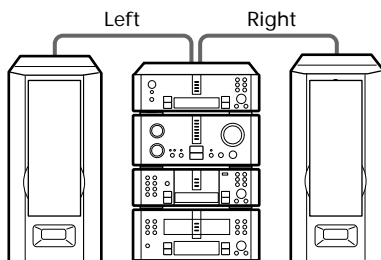
- 2 Pull gently on the speaker cord to make sure it is connected correctly. If the speaker cord pulls out, connect it again.



Step 1: Hooking up the system (continued)

Notes

- Keep the speaker cords away from the antennas to prevent noise during radio reception.
 - The supplied speakers can be used as either the right or left speakers. Place the speaker connected to the SPEAKER R terminals on the right side, and the speaker connected to the SPEAKER L terminals on the left side of the system.
- DHC-MD717 is used for the illustration purpose.

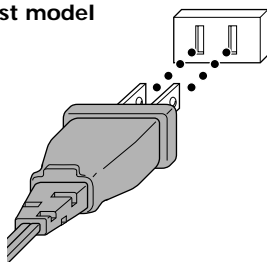


5 Connect the amplifier power cord to the tuner.

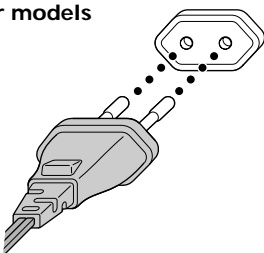
Connect the power cord extending from the rear panel of the amplifier to the power outlet on the rear panel of the tuner.

This supplies power to the amplifier.

Tourist model

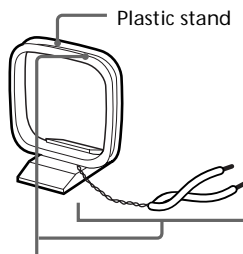


Other models



6 Connect the AM antenna.

The supplied AM antenna has the following structure:

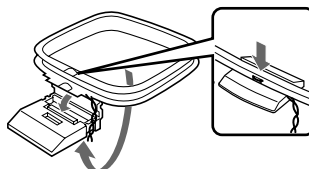


Antenna

The antenna is the proper shape and length for receiving AM radio waves, so do not remove or roll up the antenna.

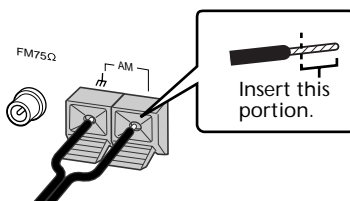
- 1 Remove only the twisted portion () of the antenna from the plastic stand.

- 2 Set up the stand.

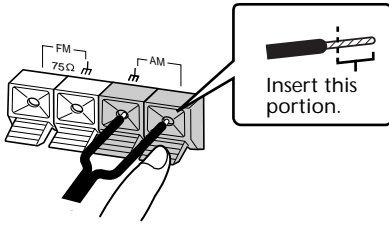


- 3 Insert the antenna cord into the AM antenna terminals.

For DHC-EX880MD



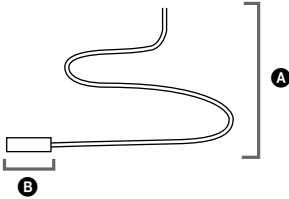
For DHC-MD717



- 4 Pull gently on the antenna cord to make sure it is connected correctly. If the antenna cord pulls out, connect it again.

7 Connect the FM antenna.

The supplied FM lead antenna has the following structure:



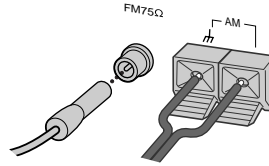
- A : The antenna cord receives signals along its entire length, so do not roll up the cord.
B : Insert this portion into the antenna terminal.

- 1 Remove the cover from portion B (for DHC-MD717 only).

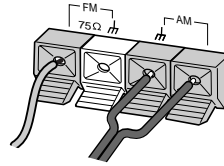


- 2 Insert the antenna cord into the FM antenna terminal.

For DHC-EX880MD



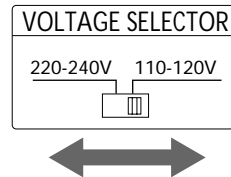
For DHC-MD717



- 3 Pull gently on the antenna cord to make sure it is connected correctly. If the antenna cord pulls out, connect it again.

8 Adjust the operating voltage (for DHC-MD717 only).

Before connecting the power cord, set VOLTAGE SELECTOR on the tuner and amplifier to the position of the local power line voltage.



Step 1: Hooking up the system (continued)

- 9 Connect the tuner power cord to a wall outlet.

Plug Adapter (for DHC-MD717 only)

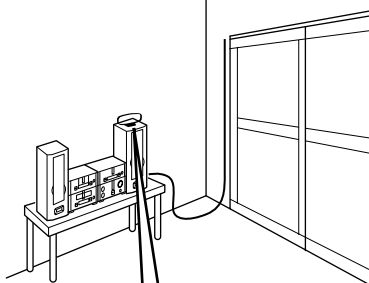
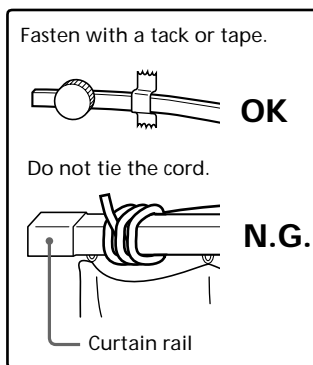
If the plug of this unit does not fit your wall outlet, attach the supplied adapter on to the plug.

- 10 Extend the FM antenna.

After selecting and tuning in the FM stations in step 4 of "Step 3: Presetting radio stations" on page 13, fasten the antenna to a wall or the ceiling as follows:

- 1 Hold the tip of the antenna to find an orientation that provides good reception.
When fastening the antenna to a wall, select the wall that provides the best reception.

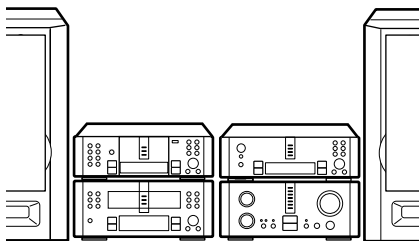
- 2 Fasten the antenna cord with a tack or tape.



Find the AM antenna position and orientation that provides the best reception, such as near a window.

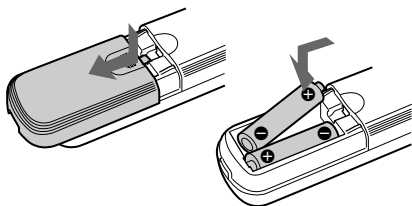
Arranging the components side by side

Once you have finished the connections, you can rearrange the components as desired.



Inserting two R6 (size AA) batteries into the remote

Always insert the batteries from the \ominus end as shown in the illustration.



R6 (size AA) batteries

Tip

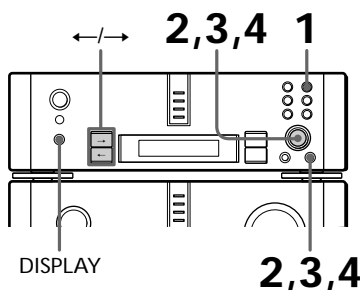
With normal use, the batteries should last for about six months. When the remote no longer operates the system, replace both batteries with new ones.

Note

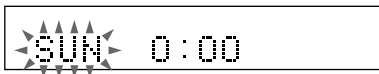
If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage.

Step 2: Setting the time

You can set the time while the system is off. You must set the time beforehand to use the timer-recording and other timer functions. The clock is on a 24-hour system for the DHC-EX880MD, and a 12-hour system for DHC-MD717. The DHC-EX880MD is used for illustration purpose.



- 1 Press **CLOCK/TIMER SET**.
The day indication ("SUN") flashes.



- 2 Turn **MULTI CONTROLLER** and set the day, then press **ENTER/YES**.
The hour indication flashes.



- 3 Turn **MULTI CONTROLLER** and set the hour, then press **ENTER/YES**.

The minute indication flashes.



- 4 Turn **MULTI CONTROLLER** and set the minute, then press **ENTER/YES**.

The clock starts working.

If you made a mistake

Press ← or → until the indication you wish to change (day, hour, minute) flashes, then change the setting.

To change the preset time

You can also set and change the time while the system is on.

- 1 Press **CLOCK/TIMER SET**.
 - 2 Turn **MULTI CONTROLLER** until "CLOCK" appears.
 - 3 Press **ENTER/YES**.
 - 4 Perform steps 2 to 4 of "Setting the time".
- If the system is off, start over from step 1 of "Setting the time".

To show the time

The built-in clock constantly shows the time in the tuner display while the system is off. To show the time while the system is on, press **DISPLAY**. Each time you press the button, the display changes as follows:

Normal display ↔ Clock display*

* The clock display returns to the normal display after about eight seconds. The time cannot be displayed constantly while the system is on.

Tip

The upper dot flashes for the first half of a minute (0 to 29 seconds), and the lower dot flashes for the last half of a minute (30 to 59 seconds).

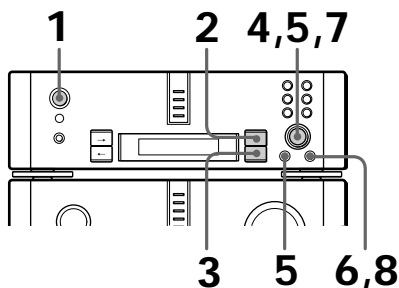
Step 3: Presetting radio stations

The bands you can receive vary depending on the model you purchased.

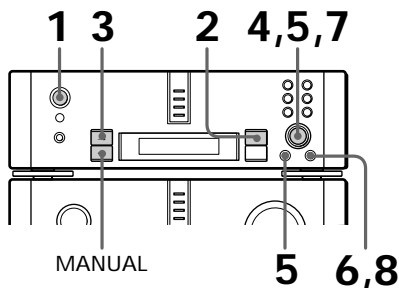
The DHC-EX880MD lets you preset up to 40 stations, 20 for FM, 10 for MW and 10 for LW.

The DHC-MD717 lets you preset up to 30 stations, 20 for FM and 10 for AM.

For DHC-EX880MD



For DHC-MD717



Tuning in a radio station you wish to preset

-
- 1 Press I/⏻ (power) to turn on the system.

- 2 Press BAND repeatedly until the band you want appears in the display.

Each time you press the button, the band changes as follows:

DHC-EX880MD:

FM → MW → LW

DHC-MD717:

FM → AM

-
- 3 For DHC-EX880MD:
Press TUNING MODE repeatedly until "AUTO TUNING" appears.

For DHC-MD717:

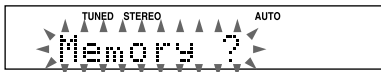
Press AUTO.

-
- 4 Turn MULTI CONTROLLER.
Turn MULTI CONTROLLER slightly, then release it. The frequency indication changes and scanning stops when the system tunes in a station. "TUNED" and "STEREO" (for a stereo program) appear.
To stop scanning, press TUNING MODE (for DHC-EX880MD) or AUTO (for DHC-MD717).

Step 3: Presetting radio stations (continued)

Storing the radio station

- 5 Press MENU/NO, then turn MULTI CONTROLLER until "Memory ?" appears.



- 6 Press ENTER/YES.

- 7 Turn MULTI CONTROLLER and select the desired preset number.

For DHC-EX880MD:

Select from 1 to 20 for FM, 1 to 10 for MW, or 1 to 10 for LW.

For DHC-MD717:

Select from 1 to 20 for FM, or 1 to 10 for AM.



- 8 Press ENTER/YES.
"Complete" appears and the station is stored.

- 9 Repeat steps 2 to 8 to store other stations.

To tune in a radio station with a weak signal

For DHC-EX880MD:

Press TUNING MODE repeatedly until "TUNING" appears in step 3, then turn MULTI CONTROLLER to tune in the desired station.

For DHC-MD717:

Press MANUAL in step 3, then turn MULTI CONTROLLER to tune in the desired station.

When you have tuned in the station, continue from step 5.

To change the preset number

Start over from step 2.

To change the AM tuning interval (DHC-MD717 only)

The AM tuning interval is factory-preset to 9 kHz. To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding down the ENTER/YES button, turn the system back on. When you change the interval, all the preset stations will be erased. To reset the interval, repeat the same procedure.

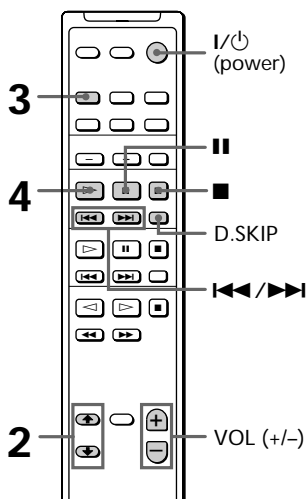
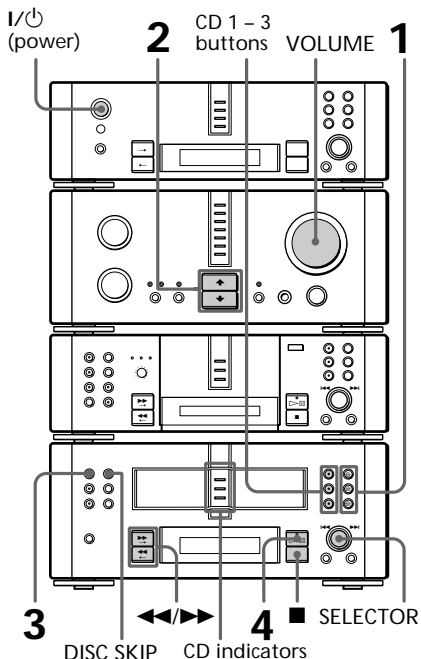
Tips

- The preset stations are retained for a day even if you pull out the power cord or if a power interruption occurs.
- You can label the preset stations (see page 69).

Playing a CD

You can play up to three CDs in a row.

If the power is off, first press **I/⏻** (power) to turn on the system.



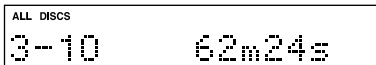
- 1 Press any **⏻** on the CD player and place a CD on the disc tray.
The disc tray opens.

With the label side up. When you play a single CD, place it on the inner circle of the tray.



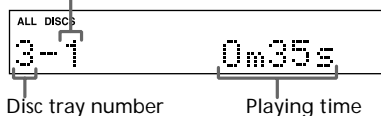
Press the same **⏻** again to close the tray.
To load other CDs, press a different **⏻** and place the CD in the disc tray.

- 2 Press **FUNCTION** **↑/↓** on the amplifier repeatedly to switch the function to CD.
- 3 Press **CONTINUE** on the CD player repeatedly until "ALL DISCS" appears.
To play only one CD, press **CONTINUE** until "1DISC" appears.



- 4 Press **▶** on the CD player (or **CD ▶** on the remote).
The selected CD 1 - 3 button lights green and play starts.

Track number



To start play from a different CD or to play only one CD, press the CD 1 - 3 button for the tray containing the desired disc. Play starts from the CD whose number was pressed.

Playing a CD (continued)

To	Do this
Stop play	Press ■.
Pause	Press ▷ (or CD on the remote). Press again to resume play.
Select a track	Turn SELECTOR clockwise (to go forward) or counter-clockwise (to go back) and release it when you locate the desired track (or press CD ►► or ◀◀ on the remote). While "ALL DISCS" is selected, turn and hold SELECTOR to locate other discs and select tracks.
Find a point in a track	Press ◀◀ or ►► during play and release it at the desired point. "—OVER—" appears at the end of the CD.
Select a CD	<ul style="list-style-type: none"> Press CD 1 – 3. Play starts when the button is pressed. Press DISC SKIP (or CD D.SKIP on the remote) repeatedly so that the CD 1 – 3 button is lit green. Press ▷ (or CD ▷ on the remote) to play the selected CD. <p>If you press DISC SKIP (or CD D.SKIP on the remote) during play, the selected CD changes and the new CD is played.</p>
Remove a CD	Press ⏏ of the desired CD 1 – 3.
Adjust the volume	Turn VOLUME (or press VOL (+) or (–) on the remote).

Tips

- You can switch from another source to the CD player and start playing a CD just by pressing ▷|| (or CD ▷ on the remote) or the CD 1 – 3 buttons if a CD is loaded on the tray (**Automatic Source Selection**).
- You can also select and start playing a track in step 4.
 - Press DISC SKIP (or CD D.SKIP on the remote) and select the desired CD.
 - Turn SELECTOR (or press CD ◀◀ or ►► on the remote) until the desired track number appears.
 - Press ▷|| (or CD ▷ on the remote).
- The CD 1 – 3 button indicators have the following meanings when lit:
 - Green: The disc tray is selected or the CD loaded on the tray is playing.
 - Orange: A CD is loaded on the tray.
- When a CD is loaded on the tray, the CD 1 – 3 indicator for the tray is lit orange.
- If a CD is not loaded to any of CD 1 – 3, "NO DISC" appears.

Note

Do not forcibly press the disc tray closed with your finger, as this may cause CD player trouble. Always close the tray by pressing the ⏏ button for the tray.

Recording a CD on an MD

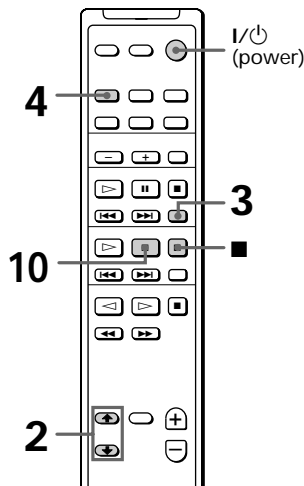
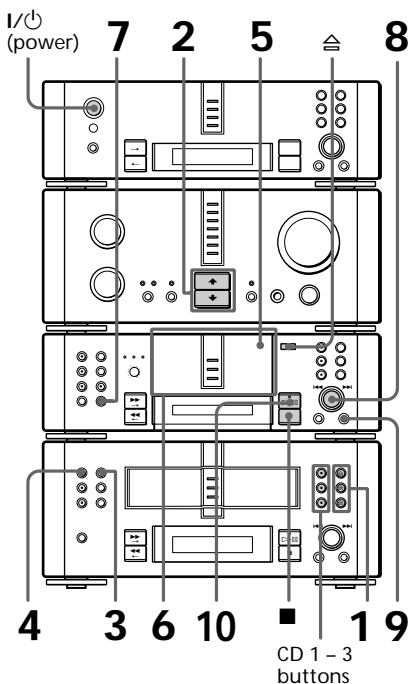
— CD Synchro Recording

You can make a digital recording of a CD on an MD, marking track numbers in the same sequence as the original CD.

If the MD is partially recorded, recording starts after the last recorded track. To erase the recorded contents, see “Erasing recordings” on page 60.

In addition, you can also select the recording method to suit your purpose. (See “Types of recording” on page 39.)

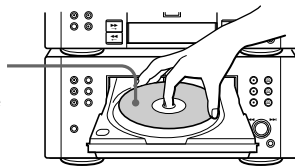
If the power is off, first press I/⏻(power) to turn on the system.



Step 1: Preparing the CD player

- 1 Press any on the CD player and place a CD on the disc tray. The disc tray opens.

With the label side up. When you play a single CD, place it on the inner circle of the tray.



Press the same again to close the tray.

- 2 Press FUNCTION on the amplifier repeatedly to switch the function to CD.
- 3 Press DISC SKIP on the CD player (or CD D.SKIP on the remote) repeatedly until the CD 1 - 3 button you want lights green.
- 4 Press CONTINUE on the CD player repeatedly until “1DISC” appears.

continued

Recording a CD on an MD (continued)

Step 2: Recording

-
- 5** Press **PUSH OPEN** on the MD deck and open the door.
-

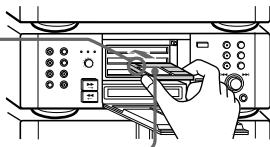
- 6** Insert a recordable MD to MD 1 of the MD deck and close the door.

Note

When using CD Synchro Recording, you can only record the MD loaded to MD 1.

With the arrow pointing toward the deck

With the label side up



-
- 7** Press **CD SYNC** on the MD deck.
-

- 8** Turn **SELECTOR** on the MD deck until "NORMAL ?" appears.

NORMAL ?	1DISC LEVEL-SYNC
----------	---------------------

-
- 9** Press **ENTER/YES** on the MD deck.
The MD deck stands by for recording and the CD is in pause for playback.

1--1	New	1DISC LEVEL-SYNC
------	-----	---------------------

-
- 10** Press **▷** on the MD deck (or **MD II** on the remote).

Recording starts.

The CD player and MD deck both stop when the recording is completed.

To cancel recording

Press **■** on the MD deck during steps 7 to 10.

To stop recording

Press **■** on the MD deck.

Ejecting an MD

If an MD is already loaded to MD 1, eject it as follows:

- 1** Press **⏏**.

The MD appears at the slot.

- 2** Press **PUSH OPEN** and open the door of the MD deck, then remove the MD from the slot.

When recording is completed

Press **⏏** and eject the MD. "TOC Writing" flashes and the MD Table of Contents (TOC) is updated.

While "TOC Writing" is flashing

Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

If the MD runs out of recording time

The CD player and MD deck both stop.

Tip

If you record on an unrecorded or completely erased (see page 61) MD, the disc title assigned to the CD (see page 30) is copied as it is to the MD (Disc Memo Copy).

However, CD text information is not copied in some cases.

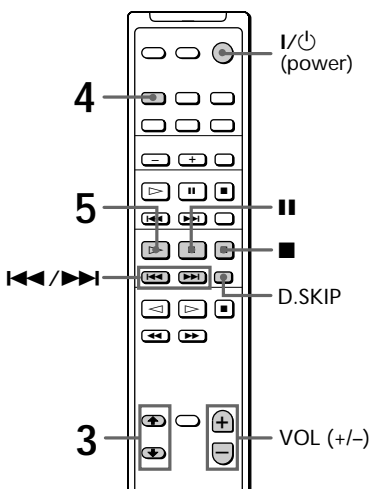
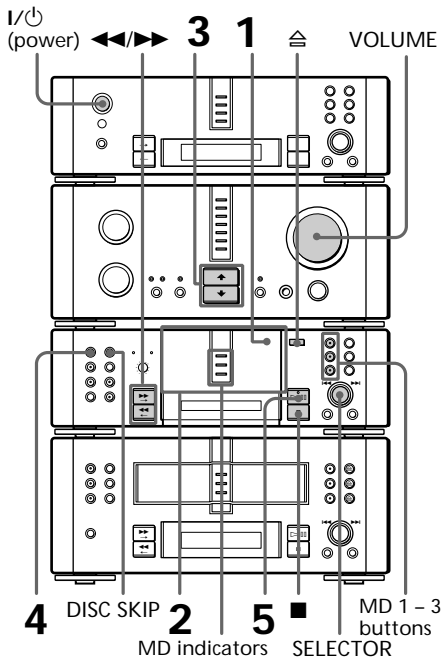
Note

If the MD is record-protected, "Protected" appears and the MD cannot be recorded.

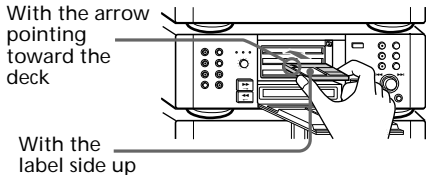
Press **⏏** and eject the MD, then slide close the tab at the side of the MD to cover the hole (see page 39).

Playing an MD

You can play up to three MDs in a row.
If the power is off, first press I/⏻(power) to turn on the system.



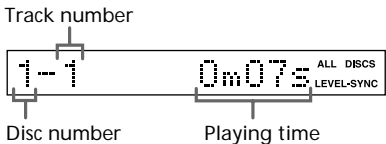
- 1 Press PUSH OPEN and open the door of the MD deck.
- 2 Insert an MD and close the door.
Insert the MD until the MD 1-3 button to the right of the slot is lit orange.



- 3 Press FUNCTION↑/↓ on the amplifier repeatedly to switch the function to MD.
- 4 Press CONTINUE on the MD deck repeatedly until "ALL DISCS" appears.
To play only one MD, press CONTINUE until "1DISC" appears.



- 5 Press ▷ on the MD deck (or MD ▷ on the remote).
The selected MD 1-3 button lights green and play starts.



To start play from a different MD or to play only one MD, press the MD 1-3 button for the slot containing the desired disc. Play starts from the MD whose number was pressed.

Playing an MD (continued)

To	Do this
Stop play	Press ■.
Pause	Press ▷ (or MD on the remote). Press again to resume play.
Select a track	Turn SELECTOR clockwise (to go forward) or counter-clockwise (to go back) and release it when you locate the desired track (or press MD ►► or ◄◄ on the remote).
Find a point in a track	Press ◄◄ or ►► during play and release it at the desired point.
Select an MD	<ul style="list-style-type: none"> Press MD 1 – 3. Play starts when the button is pressed. Press DISC SKIP (or MD D.SKIP on the remote) so that the MD 1 – 3 button is lit green. Press ▷ (or MD ▷ on the remote) to play the selected MD. <p>If you press DISC SKIP (or MD D.SKIP on the remote) during play, the selected MD changes and the new MD is played.</p>
Remove an MD	<ol style="list-style-type: none"> Press PUSH OPEN and open the door of the MD deck. Press ⏏ and remove the MD from the slot.
Adjust the volume	Turn VOLUME (or press VOL (+) or (–) on the remote).

Tips

- You can switch from another source to the MD deck and start playing a MD just by pressing ▷||| (or MD ▷ on the remote) or the MD 1 – 3 buttons if an MD is loaded in the slot (**Automatic Source Selection**).
- You can also select and start playing a track in step 5.
 - Press DISC SKIP (or MD D.SKIP on the remote) and select the desired MD.
 - Turn SELECTOR (or press MD ◄◄ or ►► on the remote) until the desired track number appears.
 - Press ▷||| (or MD ▷ on the remote).
- The MD 1 – 3 button indicators have the following meanings when lit.

Green: The slot is selected or the MD loaded in the slot is playing.

Orange: An MD is loaded in the slot.
- When an MD is loaded in the slot, the MD 1 – 3 indicator for the slot is lit orange.
- If an MD is not loaded to any of MD 1 – 3, “NO DISC” appears.

Listening to the radio

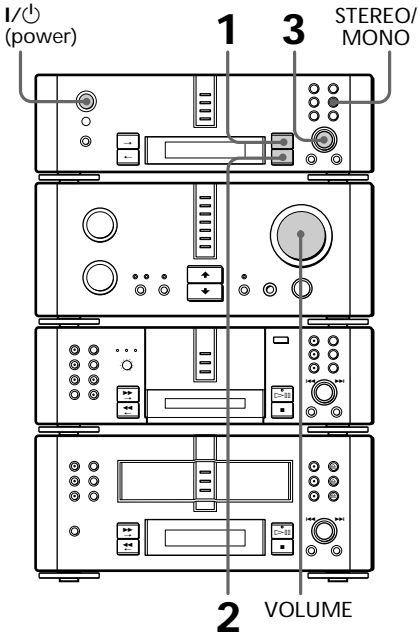
— Preset Tuning

Preset radio stations in the tuner's memory first (see page 13).

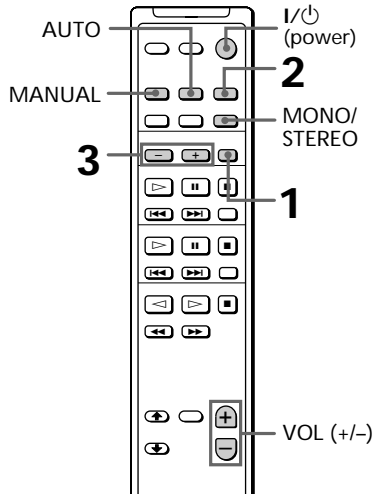
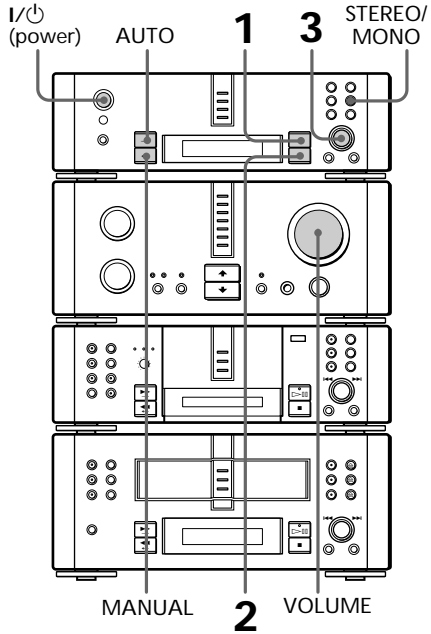
You can also tune in the desired station manually (see "Listening to non-preset radio stations" on page 22).

If the power is off, first press I/⏻(power) to turn on the system.

For DHC EX880MD



For DHC-MD717



- 1** Press **BAND** repeatedly until the band you want appears.
Each time you press the button, the band changes as follows:

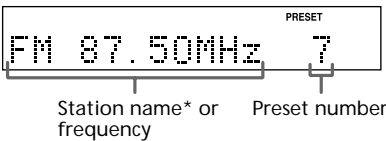
DHC-EX880MD:
FM → MW → LW

DHC-MD717:
FM → AM

- 2** For **DHC-EX880MD**:
Press **TUNING MODE** repeatedly (or press **PRESET** on the remote) until “**PRESET**” appears.

For **DHC-MD717**:
Press **PRESET**.

- 3** Turn **MULTI CONTROLLER** (or press **PRESET** –/+ on the remote) to tune in the desired preset station.



* The station name is displayed only when you have assigned a name to the preset station (see page 69).

To	Do this
Turn off the radio	Press I/⏻ (power).
Adjust the volume	Turn VOLUME (or press VOL + or – on the remote).

Listening to non-preset radio stations

For **DHC-EX880MD**:

Manual Tuning

Press **TUNING MODE** repeatedly (or **MANUAL** on the remote) until “**TUNING**” appears in step 2, then turn **MULTI CONTROLLER** to tune in the desired station.

Automatic Tuning

Press **TUNING MODE** repeatedly (or **AUTO** on the remote) until “**AUTO TUNING**” appears in step 2, then turn **MULTI CONTROLLER** slightly and release it.

The frequency indication changes and scanning stops when the system tunes in a station.

For **DHC-MD717**:

Manual Tuning

Press **MANUAL** in step 2, then turn **MULTI CONTROLLER** to tune in the desired station.

Automatic Tuning

Press **AUTO** in step 2, then turn **MULTI CONTROLLER** slightly and release it.

The frequency indication changes and scanning stops when the system tunes in a station.

To cancel Automatic Tuning

Press **TUNING MODE** (**DHC-EX880MD** only) or **AUTO** again.

Tips

- You can switch from another source to the tuner just by pressing **BAND** (**Automatic Source Selection**).
- To improve broadcast reception, reorient or move the supplied antennas near a window or outdoors. If broadcast reception does not improve, we recommend using an optional outdoor antenna (see page 79).
- When an FM stereo program is noisy, press **STEREO/MONO** (or press **MONO/STEREO** on the remote) so that “**MONO**” appears. There will be no stereo effect, but the reception will improve. Press the button again to restore the stereo effect.

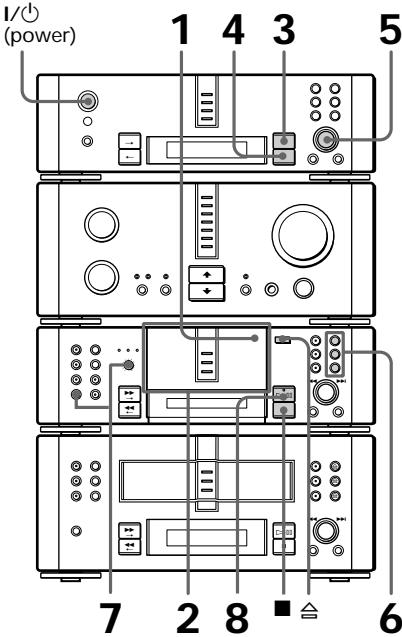
Recording from the radio

— Manual Recording

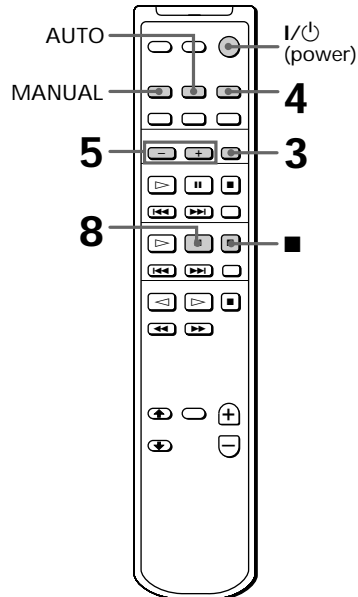
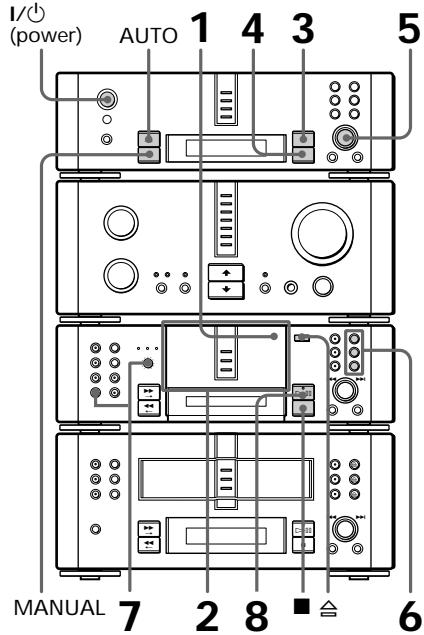
You can analog record a radio program on an MD. If the MD is partially recorded, recording starts after the last recorded track. To erase recorded contents, see “Erasing recordings” on page 60.

If the power is off, first press I/⏻(power) to turn on the system.

For DHC-EX880MD



For DHC-MD717



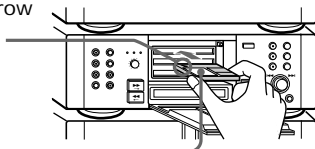
continued

Recording from the radio (continued)

- 1 Press PUSH OPEN on the MD deck and open the door.

- 2 Insert a recordable MD and close the door.

With the arrow pointing toward the deck



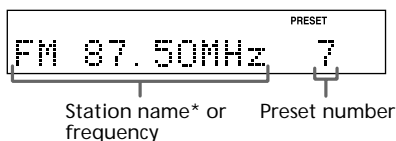
With the label side up

- 3 Press BAND on the tuner repeatedly until the band you want appears.

- 4 For DHC-EX880MD:
Press TUNING MODE repeatedly until "PRESET" appears.

For DHC-MD717:
Press PRESET.

- 5 Turn MULTI CONTROLLER (or press PRESET -/+ on the remote) to tune in the desired preset station.





* The station name is displayed only when you have assigned a name to the preset station (see page 69).

- 6 Press the REC 1-3 button for the slot containing the recordable MD.
The MD deck stands by for recording.


- 7 Press DISPLAY on the MD deck so that the level meter appears, then turn REC LEVEL to adjust the recording level.

For details, see "Adjusting the recording level" on page 51.


- 8 Press  with the MD deck (or MD  on the remote).

Recording starts.

To stop recording

Press  on the MD deck.

When recording is completed

Press  and eject the MD. "TOC Writing" flashes and the MD Table of Contents (TOC) is updated.

While "TOC Writing" is flashing


Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

Tip

If noise is heard while recording an AM radio program, move the AM antenna to reduce the noise.

Note

If the MD is record-protected, "Protected" appears and the MD cannot be recorded.

Press  to eject the MD and slide close the tab at the side of the MD to cover the hole (see page 39).

Recording non-preset radio stations

For DHC-EX880MD:

Manual Tuning

Press TUNING MODE repeatedly until “TUNING” appears in step 4 (or press MANUAL on the remote), then turn MULTI CONTROLLER to tune in the desired station.

Automatic Tuning

Press TUNING MODE repeatedly until “AUTO TUNING” appears in step 4 (or press AUTO on the remote), then turn MULTI CONTROLLER slightly and release it.

The frequency indication changes and scanning stops when the system tunes in a station.

For DHC-MD717:

Manual Tuning

Press MANUAL in step 4, then turn MULTI CONTROLLER to tune in the desired station.

Automatic Tuning

Press AUTO in step 4, then turn MULTI CONTROLLER slightly and release it.

The frequency indication changes and scanning stops when the system tunes in a station.

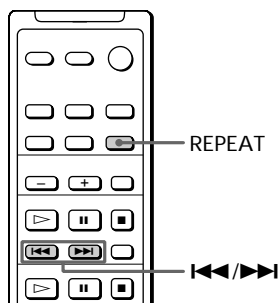
To cancel Automatic Tuning

Press TUNING MODE (DHC-EX880MD only) or AUTO again.

Playing the CD tracks repeatedly

— Repeat Play

This function lets you repeat a single CD or all CDs in normal play, “1DISC” Shuffle Play and Program Play.



Playing all tracks or a program repeatedly

- ➔ Press REPEAT during play until “REPEAT” appears.
You cannot perform Repeat Play for “ALL DISCS” during Shuffle Play.

Repeating a single track

- ➔ Press REPEAT repeatedly while playing the track you want to repeat until “REPEAT 1” appears.
You can change the repeated track by pressing CD ◀◀ or ▶▶ on the remote (or turning SELECTOR on the CD player) during play.
You cannot repeat a single track during Shuffle Play and Program Play.

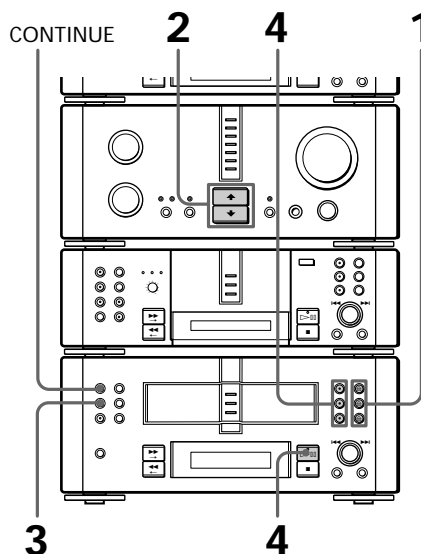
To cancel Repeat Play

Press REPEAT repeatedly until “REPEAT” or “REPEAT 1” disappears.

Playing the CD tracks in random order

— Shuffle Play

You can play all the tracks on one CD or all CDs in random order.



- 1 Place a CD (CDs) on each disc tray.
- 2 Press FUNCTION ↑/↓ repeatedly to switch the function to CD.
- 3 Press SHUFFLE.

Each time you press the button, the display changes as follows:

“ALL DISCS” ↔ “1DISC”
(All the CDs play in random order.) (A single CD whose CD 1 – 3 button lights green plays in random order.)



-
- 4** If you selected “ALL DISCS”, press $\triangleright \square \square$ (or CD \triangleright on the remote). If you selected “1DISC”, press the CD 1 – 3 button for the tray containing the desired CD. $\square \square$ appears, then all the tracks play in random order.
-

To cancel Shuffle Play

Press CONTINUE.

Tips

- You can start Shuffle Play during normal play by pressing SHUFFLE. All tracks including those already played on one disc (1DISC) or on all discs (ALL DISCS) are played in random order.
- To skip a track, turn SELECTOR clockwise (or press CD $\triangleright \triangleright$ on the remote). You cannot return to the previous track.

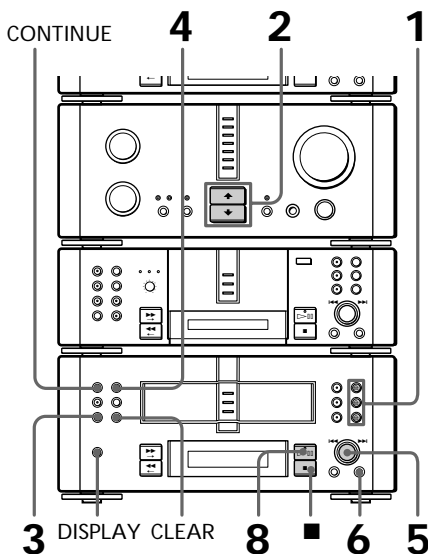
Note

You cannot use Repeat Play during Shuffle Play for “ALL DISCS”.

Programming the CD tracks

— Program Play

You can make up to three programs of up to 25 tracks each from all the CDs in the order you want them to be played. You can also record the programs you made (see pages 43 to 45).



-
- 1** Place a CD (CDs) on each disc tray.
-

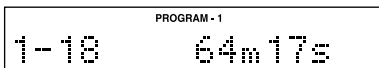
- 2** Press FUNCTION \uparrow/\downarrow repeatedly to switch the function to CD.

Notes

- You can only program CD tracks while the CD player is in stop mode.
- Wait for the total number of tracks on the CD and the playing time to appear, then proceed to the next step.

Programming the CD tracks (continued)

- 3** Press PROGRAM repeatedly so that one of "PROGRAM-1" to "PROGRAM-3" appears.



- 4** Press DISC SKIP (or CD D.SKIP on the remote) to select the desired CD.



CD tray number

- 5** Turn SELECTOR (or press CD ◀◀ or ▶▶ on the remote) until the desired track number appears.
The selected CD and track numbers flash.



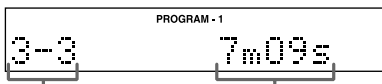
Selected CD and track numbers

Total playing time

- 6** Press ENTER/YES (or PROGRAM on the remote).

The track is programmed. The total number of the programmed tracks (steps) appears, followed by the last programmed track number and the total playing time of all the programmed tracks.

If you have made a mistake, press CLEAR to erase the last programmed track.



Last track

Total playing time

- 7** To program additional tracks, repeat steps 4 to 6.

- 8** Press ◁▷ (or CD ◁▷ on the remote).
All the tracks play in the order you selected.

To cancel Program Play

Press CONTINUE.

To cancel the programming operation

Press ■ during steps 4 to 6.

To play an already prepared program

Press PROGRAM repeatedly until the desired program number (PROGRAM-1 to 3) appears, then press ◁▷ (or CD ◁▷ on the remote).

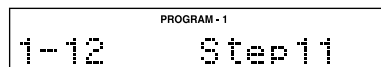
To clear the entire program

Press PROGRAM repeatedly in stop mode until the desired program number (PROGRAM-1 to 3) appears, then press ■.

To check the total number of the programmed tracks

Press PROGRAM repeatedly in stop mode until the desired program number (PROGRAM-1 to 3) appears, then press DISPLAY.

The total number of the programmed tracks and the total playing time appear.



To check the program order

Turn SELECTOR clockwise (or press CD ▶▶ on the remote) during Program Play.

The tracks appear in the order programmed, and Program Play starts from the point where you release SELECTOR.

To add a track to the program

- 1 Press PROGRAM repeatedly in stop mode until the desired program number (PROGRAM-1 to 3) appears.
- 2 Press DISC SKIP (or CD D.SKIP on the remote) until the desired CD appears.
- 3 Turn SELECTOR (or press CD I◀◀ or ▶▶ on the remote) until the track number you want to add appears, then press ENTER/YES (or PROGRAM on the remote).

The selected track is added to the end of the program.

To clear a track from the end of the program

- 1 Press PROGRAM repeatedly in stop mode until the desired program number (PROGRAM-1 to 3) appears.
- 2 Press CLEAR.

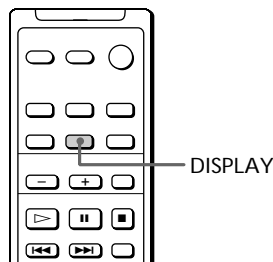
Each time you press the button, a track is cleared from the end of the program.

Tips

- To program the entire CD as one step of the program, press ENTER/YES (or PROGRAM on the remote) while "AL" is displayed in step 4.
- When you want to record the program, see "Recording your favorite CD tracks on an MD" (see page 43).
- The program you made remains after the Program Play has finished. To play the same program again, select the program number (PROGRAM-1 to 3), then press ▷◻◻ (or CD ▷ on the remote). However, when you make a recording with the Hit Parade feature (see page 46), PROGRAM-3 is erased.
- If you press any ⏏ and open a disc tray, the tracks on the CD in that tray are erased from the programs.
- "Step Full" appears when you try to program 26 or more tracks. In addition, "--m--s" appears when the total program time exceeds 100 minutes, or when you select a track whose number is 21 or over.

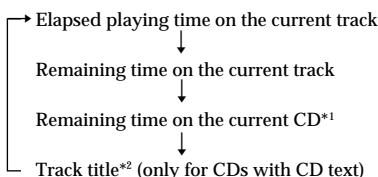
Using the CD display

You can check the remaining time of the current track or that of the CD.



➔ Press DISPLAY during play.

Each time you press the button, the display changes as follows:

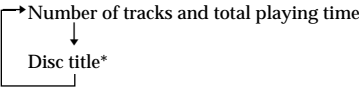


*1 The remaining time on the CD is not displayed during Program or Shuffle Play.

*2 "No Name" appears for CDs without CD text.

To check the number of tracks on the CD and the total playing time

Press DISPLAY in normal or Shuffle Play stop mode. Each time you press the button, the display changes as follows:



* “No Name” appears, followed by “*DISC-1*” for CDs without a disc title. In addition, if you press DISPLAY for a CD with CD text containing the artist name, the disc title is displayed scrolling in the display followed by the artist name, then the display returns to the number of tracks and the total playing time.

Tip

“--m--s” appears when you check the remaining time of a track whose number is 21 or over.

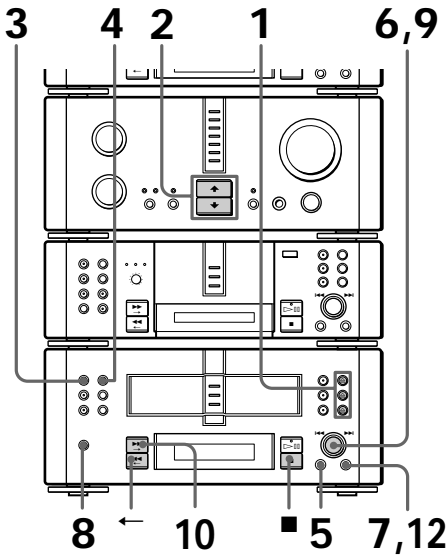
Labeling a CD

— Disc Memo

You can create disc titles of up to 20 characters and symbols each for up to 100 CDs. These titles are stored in the system memory, and appear when the CD is loaded. When you record a CD to an unrecorded MD, the disc title on the CD is copied as the disc title on the MD (Disc Memo Copy).

Notes

- If you label a CD for which “CD-TEXT” appears in the CD player display, the disc title appears in place of the CD-TEXT title.
- When labeling CDs for the first time, be sure to perform the operations in “Erasing all disc titles stored in the system memory” on page 32 beforehand.



- 1 Place a CD (CDs) on each disc tray.

-
- 2** Press FUNCTION \uparrow/\downarrow repeatedly to switch the function to CD.

Note

You can input disc titles only when the CD player is in stop mode.

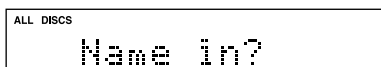
-
- 3** Press CONTINUE.

-
- 4** Press DISC SKIP (or CD D.SKIP on the remote) until the number of the tray containing the desired CD appears.

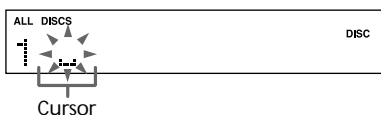
Wait for the number of tracks and the total playing time to appear, then proceed to the next step.

-
- 5** Press MENU/NO.

-
- 6** Turn SELECTOR until "Name in?" appears.



-
- 7** Press ENTER/YES.
The cursor starts flashing.



-
- 8** Press DISPLAY so that the desired type of character appears.
Each time you press the button, the display changes as follows:

A (Upper cases) \rightarrow a (Lower cases)
 \rightarrow 0 (Numbers) \rightarrow ! (Symbols)*
 \rightarrow \square (Blank space) \rightarrow A ...

* You can use the following symbols:

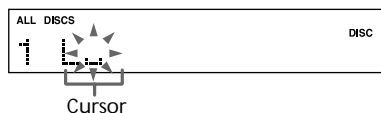
! " # \$ % & ' () * + , - . / : ; < = > ? @ _ `

-
- 9** Turn SELECTOR until the character you want appears.

To enter a blank space, press \rightarrow without turning SELECTOR. You cannot enter a space as the first character.

-
- 10** Press \rightarrow to enter the character.

The cursor shifts rightward and waits for the input of the next character.



-
- 11** Repeat steps 8 to 10 to complete the entire title.

If you made a mistake, press \leftarrow or \rightarrow until the character you want to change flashes, then repeat steps 8 to 10.

To erase the character, press MENU/NO. Each time you press the button, the character at the position of the cursor is erased. You cannot insert characters.

-
- 12** Press ENTER/YES to complete the labeling procedure.

The disc title is stored in the system memory.

To cancel labeling

Press \blacksquare on the CD player during steps 6 to 11.

Labeling a CD (continued)

Checking a disc title

- 1 Turn SELECTOR in step 6 of “Labeling a CD” until “Name Check?” appears.
- 2 Press ENTER/YES.
- 3 Turn SELECTOR until the CD 1 – 3 disc title or the stored disc title (001 to 100) you want to check appears.
The disc title is displayed scrolling in the display.

To check the disc titles with the remote

Press CD D.SKIP until the desired CD appears, then press SCROLL.

The disc title is displayed scrolling in the display.

Tip

You can also check the disc titles by pressing DISPLAY in stop mode (see page 30).

Erasing a disc title

- 1 Turn SELECTOR in step 6 of “Labeling a CD” until “Name Erase?” appears, then press ENTER/YES.
- 2 Turn SELECTOR until the CD 1 – 3 disc title or the stored disc title (001 to 100) you want to erase appears.
The disc title is displayed scrolling in the display.
- 3 To erase the disc title, press ENTER/YES.
The disc title is erased and “Complete” appears.

To cancel erasing

Press ■ on the CD player during steps 1 or 2.

Erasing all disc titles stored in the system memory

- 1 Turn SELECTOR in step 6 of “Labeling a CD” until “All Erase?” appears, then press ENTER/YES.
“All Erase??” appears.
- 2 To erase all the disc titles, press ENTER/YES.
All the disc titles are erased and “Complete” appears.

To cancel erasing

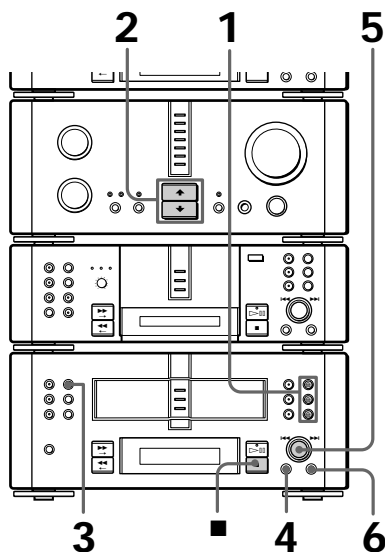
Press ■ on the CD player during step 1.

Notes

- When you make a recording with the Hit Parade feature (see page 46), the Disc Memo Copy feature is not activated.
- Turn on the system power at least once every two weeks to ensure the stored disc titles are not erased.

Checking CD text information

You can display the CD text (CD title, artist name, track titles and other information) when this information is recorded on the CD.



Checking a disc title

- 1 Place a CD (CDs) on each disc tray.
- 2 Press FUNCTION \uparrow/\downarrow repeatedly to switch the function to CD.
- 3 Press DISC SKIP (or CD D.SKIP on the remote) until the number of the tray containing the desired CD appears.
- 4 Press MENU/NO.

- 5 Turn SELECTOR until "Name Check?" appears.



- 6 Press ENTER/YES.
The disc title is displayed scrolling in the display.

Checking a track title

- ➔ Turn SELECTOR during play or in stop mode until the desired track appears.
The track title is displayed scrolling in the display.



To cancel checking

Press ■ on the CD player.

Viewing the CD text title during play

- 1 Press MENU/NO.
- 2 Turn SELECTOR until "Name Check?" appears.
- 3 Press ENTER/YES.
Up to 20 characters of the disc title appear.

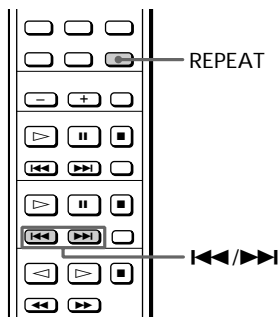
Notes

- CD text information is not copied to MDs in some cases.
- If the CD text exceeds 20 characters, the 21st and subsequent characters do not scroll in the display.

Playing the MD tracks repeatedly

— Repeat Play

You can repeat a single track or all tracks on an MD in normal play, “1DISC” Shuffle Play and Program Play.



Playing all tracks or a program repeatedly

➔ Press REPEAT during play until “REPEAT” appears.

You cannot perform Repeat Play for “ALL DISCS” during Shuffle Play.

Repeating a single track

➔ Press REPEAT repeatedly while playing the track you want to repeat until “REPEAT 1” appears.

You can change the repeated track by pressing MD ◀◀ or ▶▶ on the remote (or turning SELECTOR on the MD deck) during play.

You cannot repeat a single track during Shuffle Play and Program Play.

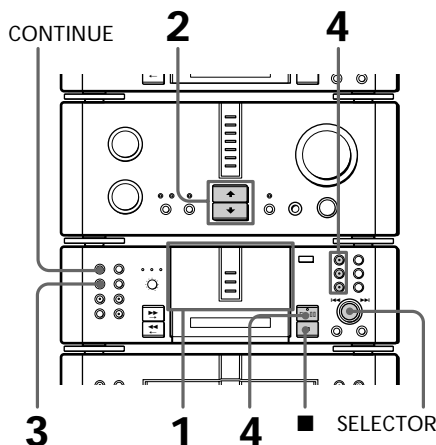
To cancel Repeat Play

Press REPEAT repeatedly until “REPEAT” or “REPEAT 1” disappears.

Playing the MD tracks in random order

— Shuffle Play

You can play all the tracks on one MD or all MDs in random order.



1 Insert an MD (MDs).

2 Press FUNCTION ↑/↓ repeatedly to switch the function to MD.

3 Press SHUFFLE while the MD deck is in stop mode.

Each time you press the button, the display changes as follows:

“ALL DISCS” (All the MDs play in random order.)	↔	“1DISC” (A single MD whose MD 1 – 3 button lights green plays in random order.)
---	---	---

1-17	64m17s	ALL DISCS LEVEL-SYNC
------	--------	-------------------------

-
- 4** If you selected “ALL DISCS”, press $\triangleright \square \square$ (or MD \triangleright on the remote). If you selected “1DISC”, press the MD 1 – 3 button for the slot containing the desired MD. $\square \square$ appears, then all the tracks play in random order.
-

To cancel Shuffle Play

Press \blacksquare to stop play, then press CONTINUE.

Tip

To skip a track, turn SELECTOR clockwise (or press MD $\blacktriangleright \blacktriangleleft$ on the remote).

You cannot return to the previous track.

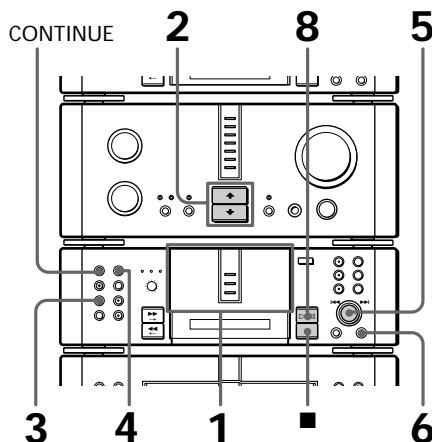
Notes

- You cannot use Repeat Play during Shuffle Play for “ALL DISCS”.
- If you press SHUFFLE or PROGRAM while playing an MD, “Push STOP !” appears. To change the playing mode, first press \blacksquare to stop play.

Programming the MD tracks

— Program Play

You can make a program of up to 25 tracks from all the MDs in the order you want them to be played.



-
- 1** Insert an MD (MDs).
-
- 2** Press FUNCTION \uparrow/\downarrow repeatedly to switch the function to MD.
- Notes**
- You can program MD tracks only while the MD deck is stopped.
 - Wait for the number of tracks and the playing time on the MD to appear, then proceed to the next step.
-
- 3** Press PROGRAM while the MD deck is in stop mode.

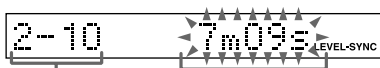
Programming the MD tracks (continued)

- 4** Press DISC SKIP (or MD D.SKIP on the remote) to select the desired MD.



MD slot number

- 5** Turn SELECTOR (or press MD I◀◀ or ▶▶ on the remote) until the desired track number appears. The selected MD and track numbers flash.



Selected MD and track numbers

Total playing time

- 6** Press ENTER/YES (or PROGRAM on the remote).

The track is programmed. The total number of the programmed tracks (steps) appears, followed by the last programmed track number and the total playing time of all the programmed tracks.



Last track

Total playing time

- 7** To program additional tracks, repeat steps 4 to 6.

- 8** Press ▷▶ (or MD ▷ on the remote).

All the tracks play in the order you selected.

To cancel Program Play

Press ■ to stop play, then press CONTINUE.

To cancel the programming operation

Press ■ during steps 4 to 6.

To clear the entire program

Press ■ in Program Play stop mode.

To add a track to the program

- 1 Press DISC SKIP (or MD D.SKIP on the remote) in stop mode until the desired MD appears.
- 2 Turn SELECTOR (or press MD I◀◀ or ▶▶ on the remote) until the track number you want to add appears.
- 3 Press ENTER/YES (or press PROGRAM on the remote).

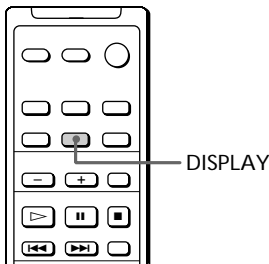
The selected track is added to the end of the program.

Tips

- To program the entire MD as one step of the program, press ENTER/YES (or PROGRAM on the remote) while "AL" is displayed in step 4.
- The program you made remains after the Program Play has finished. To play the same program again, press ▷▶ (or MD ▷ on the remote).
- If you remove an MD from the MD 1 – 3 slots, the tracks on the removed MD are erased from the program.
- "PGM FULL" appears when you try to program 26 or more tracks. In addition, "--m--s" appears when the total program time exceeds 100 minutes.

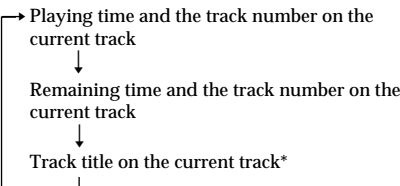
Using the MD display

You can check the remaining time of the current track or that of the MD.



Checking the remaining time of a track

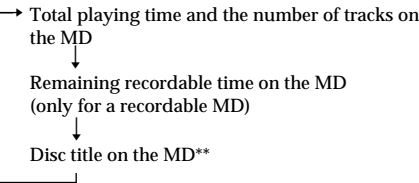
➔ Press DISPLAY during play.
Each time you press the button, the display changes as follows:



* "No Name" appears if no track title is stored.
See page 57 for assigning track titles.

Checking the remaining time of an MD

➔ Press DISPLAY in stop mode.
Each time you press the button, the display changes as follows:



**"No Name" appears if no disc title is recorded.
See page 57 for assigning disc titles.

Before you start recording

MDs (MiniDisc) let you digitally record and play back music with high quality sound. Another feature of MDs is track marking like that on CDs. The track marking feature lets you quickly locate a specific point or easily edit the recorded tracks. Also, the way the track numbers are recorded differs depending on the source.

When the source you want to record from is:

- **This system's CD player**
 - The digital signal from the CD is recorded as it is (digital recording^{*1}).
 - Track numbers are automatically marked as on the original CD.
- **Other digital components connected to the VIDEO 1 or VIDEO 2 DIGITAL IN jack (CS/BS or LD/DVD DIGITAL IN jack for DHC-MD717) (e.g., a digital satellite receiver or DVD player)**
 - The digital signal from the connected component is recorded as it is (digital recording^{*1}).
 - Track numbers are marked differently depending on the source.
- **This system's tuner or other analog components connected to the TAPE or VIDEO3 (VIDEO for DHC-MD717) input jacks, etc. (e.g., a tape deck or VCR)**
 - The analog signal is converted to a digital signal and recorded (analog recording^{*2}).
 - A track number is marked at the beginning of a recording, but when you turn on the Level Synchro Recording function (see page 52), track numbers are automatically marked in sync with the level of the input signal.

^{*1} For details on limitations of digital recording, see page 88. Also, many types of DVD software cannot be digitally recorded.



^{*2} If you do not connect digital components to the VIDEO 1 or VIDEO 2 DIGITAL IN jack (CS/BS or LD/DVD DIGITAL IN jack for DHC-MD717) using optical cables, these sources are recorded by analog recording.

Note on the track numbers of an MD

On an MD, the track numbers (track sequence), track start and end point information, etc., are recorded in the TOC^{*3} area independent of the sound information. You can edit recorded tracks quickly by modifying the TOC information.

^{*3} TOC: Table Of Contents



After recording

-
- ➔ Press  on the MD deck and eject the MD, or press  (power) and turn off the system. The TOC is updated and recording is completed.
-

Note

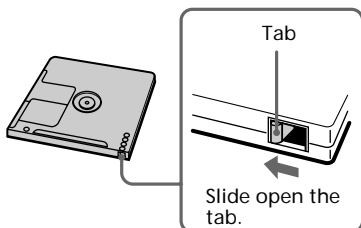
MD recording is completed when the TOC has been updated. If you pull out the power cord before the TOC has been updated, the recorded contents are not written to the MD.


The TOC is updated when you perform the following operations. Therefore, be sure to perform these operations before you pull out the power cord.

- Press  and eject the MD.
- Press  (power) and turn off the system.

Protecting a recorded MD

- To record-protect an MD, slide open the tab at the side of the MD so the tab is concealed. In this position, the MD cannot be recorded. To record on the MD, slide close the tab.



- If the MD is record-protected, "Protected" appears and the MD cannot be recorded. Press  and eject the MD, then slide close the tab at the side of the MD to cover the hole.

Types of recording

You can choose from the following 13 types of recording in accordance with the purpose.

CD Synchro Recording

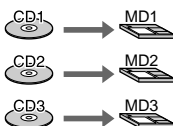
Tracks are recorded to the MD in the same sequence as the original CD.

- Recording a CD on an MD (**NORMAL**) — page 17



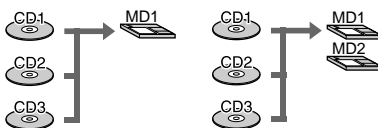
CD 1, 2 or 3 is recorded to MD 1.

- Recording one to three CDs on separate MDs (**3CD → 3MD**) — page 41



The CDs are recorded separately to the MDs in the same slot numbers.

- Recording one to three CDs in succession on an MD (**Seamless Recording**) — page 42

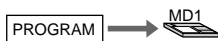


If all the tracks cannot fit on a single MD, recording switches automatically to the next MD. Tracks are not cut off and the space between tracks is not lengthened.

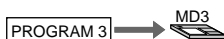
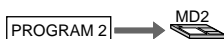
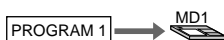
Recording your favorite CD tracks on an MD

You can record your favorite tracks from up to three CDs on an MD using the CD Program Play function.

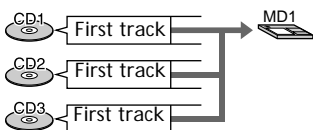
- Recording a single program on an MD (**NORMAL** application) — page 44



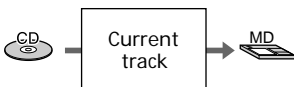
- Recording one to three programs on separate MDs (**3PGM** → **3MD**) — page 45



- Recording only the first track on each CD (**Hit Parade**) — page 46



- Quickly recording the current CD track (**Rec It**) — page 47



- Recording on an MD manually — pages 23 and 48

Other types of recording

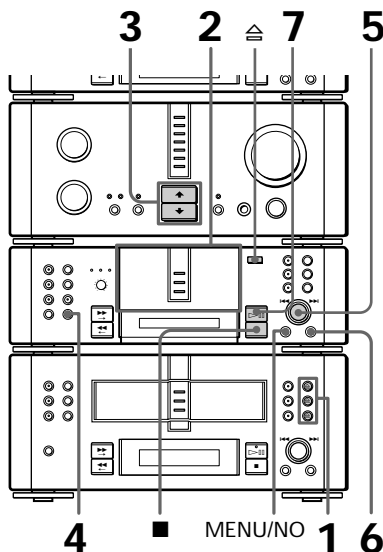
- Starting recording with 6 seconds of prestored audio data (**Time Machine Recording**) — page 50
This feature keeps you from losing the first few seconds of material when recording an FM or satellite broadcast on an MD.
- Making the space between tracks 3 seconds long (**Smart Space/Auto Cut**) — page 54
You can make the blank space between tracks three seconds long when digitally recording a satellite broadcast on an MD.
- Marking track numbers automatically while recording (**Level Synchro Recording**) — page 52
You can mark track numbers automatically in sync with the level of the input signal from the sound source (except when digitally recording a CD or MD).
- Marking track numbers at a specific point while recording — page 53
You can mark track numbers at any time during either analog or digital recording.
- Monaural recording — page 55
You can record FM broadcasts and other stereo sources in monaural format. This doubles the recording time (e.g., 120 minutes on a 60-minute MD).

You can also move tracks, erase tracks and edit the recorded contents (see pages 56 to 66).

Recording 3 CDs on 3 separate MDs

— 3CD → 3MD

You can record from CDs to MDs of the same number (e.g., CD 1 → MD 1, CD 2 → MD 2, CD 3 → MD 3). Be sure to insert an MD to the same slot number as the tray containing the CD.



1 Place the CDs on each disc tray.

2 Insert the MDs to the slots with the same numbers as the disc trays containing the CDs.

3 Press FUNCTION **↑/↓** on the amplifier repeatedly to switch the function to CD.

4 Press CD SYNC on the MD deck.

5 Turn SELECTOR on the MD deck until “3CD → 3MD ?” appears.



6 Press ENTER/YES on the MD deck. The CD is in pause for playback and the MD deck stands by for recording.

7 Press **▶** on the MD deck (or **MDII** on the remote). Recording starts in order from CD 1 to 3. The CD player and MD deck stop automatically when the recording is completed.

To cancel recording

Press MENU/NO on the MD deck during steps 4 to 6.

To stop recording

Press **■** on the MD deck.

When recording is completed

Press **⏏** and eject the MD. “TOC Writing” flashes and the MD Table of Contents (TOC) is updated.

While “TOC Writing” is flashing

Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

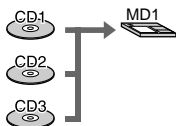
Tips

- If you record on an unrecorded or completely erased (see page 61) MD, the disc title assigned to the CD (see page 30) is copied as it is to the MD (Disc Memo Copy). However, CD text information is not copied in some cases.
- The disc is skipped and recording continues from the next disc when:
 - The CD or MD with the same disc number is not loaded.
 - The MD is record-protected.

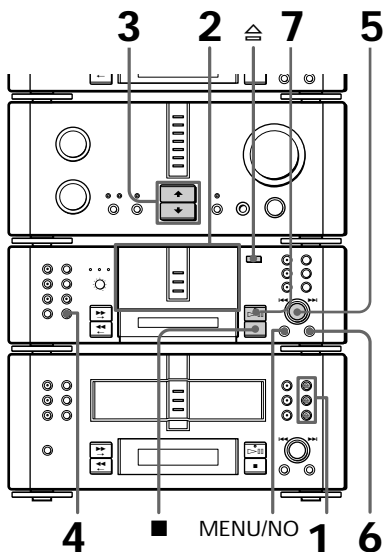
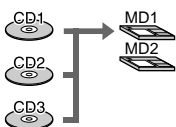
Recording 3 CDs in succession on an MD

— Seamless Recording

For example, you can record three single CDs in succession on an MD.



You can also record a three-disc album on two MDs.



- 1** Place the CDs on each disc tray.
- 2** Insert the recordable MDs in order from the MD 1 slot.
The MDs are recorded in order from the MD in MD 1. Remove any unwanted MDs from the slots.
- 3** Press **FUNCTION** \uparrow/\downarrow on the amplifier repeatedly to switch the function to CD.
- 4** Press **CD SYNC** on the MD deck.
- 5** Turn **SELECTOR** on the MD deck until "SEAMLESS ?" appears.

SEAMLESS ?ALL DISCS
LEVEL-SYNC
- 6** Press **ENTER/YES** on the MD deck.
The CD is in pause for playback and the MD deck stands by for recording.
- 7** Press \triangleright on the MD deck (or **MD** on the remote).
CD playback and MD recording start. The CD player and MD deck stop automatically when the recording is completed.


To cancel recording

Press **MENU/NO** on the MD deck during steps 4 to 6.

To stop recording

Press on the MD deck.

When recording is completed

Press  and eject the MD. "TOC Writing" flashes and the MD Table of Contents (TOC) is updated.

While "TOC Writing" is flashing

Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

Notes

- The Disc Memo Copy function is not activated during Seamless Recording.
- If all the tracks cannot fit on a single MD, recording switches automatically to the next MD. Be sure to insert the recordable MDs beforehand and remove any unwanted MDs from the slots.

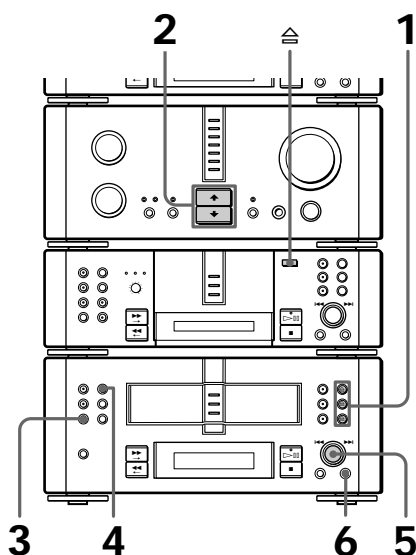
Recording your favorite CD tracks on an MD

— 3PGM → 3MD

You can select your favorite CD tracks with the Program Play feature, then record the program on an MD (MDs) using the CD Synchro Recording feature.

The two options to record programs are:

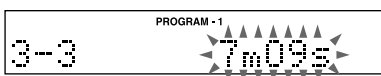
- Recording a single program on an MD (NORMAL application)
- Recording multiple programs on separate MDs (3PGM → 3MD)



Recording your favorite CD tracks on an MD (continued)

Step 1: Programming the tracks

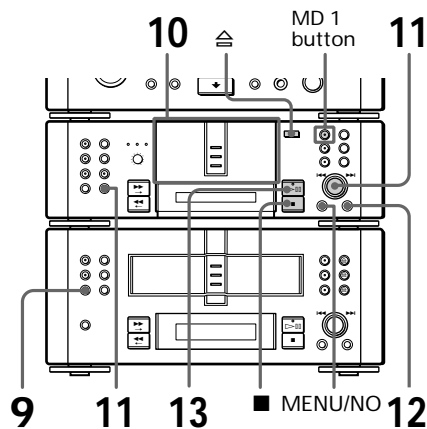
- 1** Place a CD (CDs) on each disc tray.
- 2** Press FUNCTION \uparrow/\downarrow on the amplifier repeatedly to switch the function to CD.
- 3** Press PROGRAM on the CD player repeatedly so that one of "PROGRAM-1" to "PROGRAM-3" appears.
- 4** Press DISC SKIP on the CD player (or CD D.SKIP on the remote) to select the desired CD.
- 5** Turn SELECTOR on the CD player to select the desired track.
- 6** Press ENTER/YES on the CD player.
The track is programmed.
The total number of programmed steps and the total playing time appear.



- 7** To program additional tracks, repeat steps 4 to 6.
- 8** To create multiple programs, repeat steps 3 to 7.

Step 2: Recording

— When recording a single program



- 9** Press PROGRAM on the CD player repeatedly until the desired program "PROGRAM-1" to "PROGRAM-3" appears.
- 10** Insert a recordable MD to the MD 1 slot.
You can only record on the MD in MD 1. When the MD 1 button is lit green, press \triangle and eject the MD, then insert a recordable MD.
- 11** Press CD SYNC on the MD deck, then turn SELECTOR until "NORMAL ?" appears.



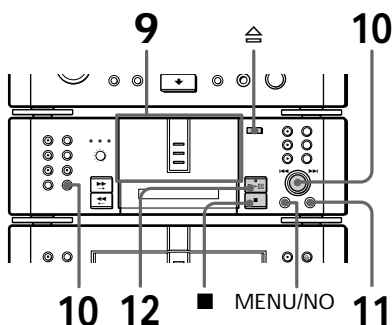
12 Press ENTER/YES on the MD deck.

The MD deck stands by for recording and the CD is in pause for playback.

13 Press on the MD deck (or MD on the remote).

Recording starts from the last recorded portion of the MD. The CD player and MD deck stop automatically when the recording is completed.

— When recording multiple programs



9 Insert MDs to the slots with the same numbers as the programs you want to record.

10 Press CD SYNC on the MD deck, then turn SELECTOR until “3PGM → 3MD ?” appears.

3PGM → 3MD ?	ALL DISCS LEVEL-SYNC
--------------	-------------------------

11 Press ENTER/YES on the MD deck.

The MD deck stands by for recording and the CD is in pause for playback.


12 Press on the MD deck (or MD on the remote).

Recording starts from the last recorded portion in order from PROGRAM-1 to 3. The CD player and MD deck stop automatically when the recording is completed.


To cancel recording

Press MENU/NO on the MD deck.

To stop recording

Press  on the MD deck.

When recording is completed

Press  and eject the MD. “TOC Writing” flashes and the MD Table of Contents (TOC) is updated.

While “TOC Writing” is flashing

Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

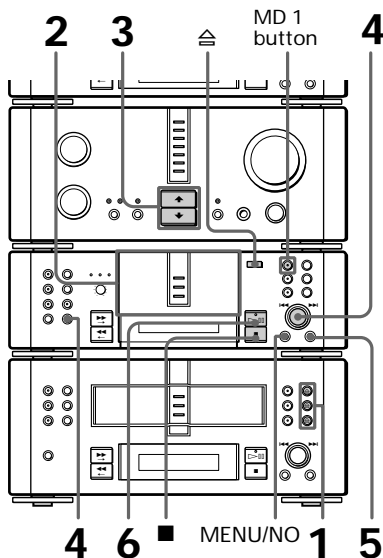
Notes

- When you record one program (NORMAL), only the MD in the MD 1 slot is recorded.
- When you record multiple programs, only the MDs in the slots with the same numbers as the program numbers (PROGRAM-1 to 3) are recorded.
- The program is skipped and recording continues from the next program when:
 - There is no MD in the slot with the same number as the program to be recorded.
 - The MD is record-protected.
- The CD player and MD deck stop if the remaining time on the MD runs out during the recording.

Recording only the first track on each CD

— Hit Parade

This feature is useful when you record single CDs in succession.



Recording from three CDs

- 1 Place the CDs on each disc tray.
- 2 Insert a recordable MD to the MD 1 slot.
You can only record on the MD in MD 1. When the MD 1 button is lit green, press and eject the MD, then insert a recordable MD.
- 3 Press FUNCTION on the amplifier repeatedly to switch the function to CD.

- 4 Press CD SYNC on the MD deck, then turn SELECTOR until “HIT PARADE ?” appears.



- 5 Press ENTER/YES on the MD deck. The MD deck stands by for recording and the CD is in pause for playback.

- 6 Press on the MD deck (or MD on the remote). Recording starts from the last recorded portion of the MD. The CD player and MD deck stop automatically when the recording is completed.

Recording from four or more CDs

Repeat steps 1 and 4 to 6.

To cancel recording

Press MENU/NO on the MD deck.

To stop recording

Press on the MD deck.

When recording is completed

Press and eject the MD. “TOC Writing” flashes and the MD Table of Contents (TOC) is updated.

While “TOC Writing” is flashing

Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

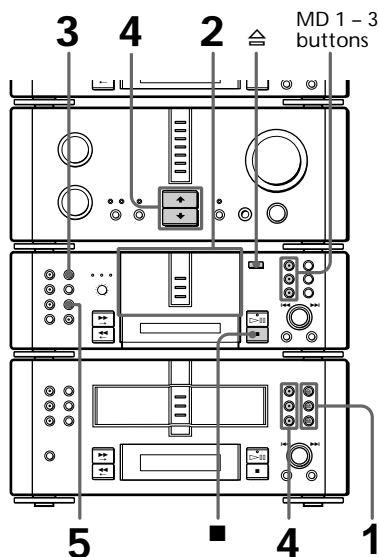
Note

You can only record on the MD in MD 1.

Recording the current CD track

— *Rec It*

You can record a track quickly while listening to a CD.



1 Place a CD (CDs) on each disc tray.

2 Insert a recordable MD (MDs).
You can record on any of the MDs in MD 1 to 3.

3 Press DISC SKIP on the MD deck (or MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the recordable MD lights green.

4 Press FUNCTION \uparrow/\downarrow on the amplifier repeatedly to switch the function to CD, then press CD 1 – 3 on the CD player.
CD play starts.

5 Press REC IT while listening to a track you want to record.
Play returns to the start of the track and recording starts. The MD deck stops automatically at the end of the track, but CD play continues.

To stop recording

Press ■ on the MD deck.

When recording is completed

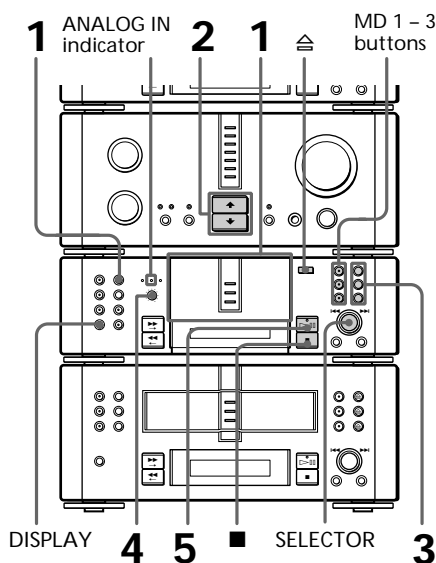
Press \triangle and eject the MD. “TOC Writing” flashes and the MD Table of Contents (TOC) is updated.

While “TOC Writing” is flashing

Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

Recording on an MD manually

Use this method to record from the radio or a connected optional component. If the MD has been partially recorded, recording starts from the last recorded portion. See page 23 for recording from the radio.



- 1** Insert a recordable MD (MDs), then press DISC SKIP on the MD deck (or MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the MD lights green. You can record on any of the MDs in MD 1 to 3.

- 2** Press FUNCTION \uparrow/\downarrow on the amplifier repeatedly to select the sound source (e.g., "TUNER") you want to record.

CD: Place a CD (CDs) on the disc tray, then turn SELECTOR until the track you want to record appears (see page 16).

TUNER: Tune in the radio station you want to record (see page 21).

VIDEO 1 or 2 (CS/BS or LD/DVD for DHC-MD717): Prepare the digital component connected to the VIDEO 1 or VIDEO 2 DIGITAL IN jack (CS/BS or LD/DVD DIGITAL IN jack for DHC-MD717) on the MD deck and the VIDEO1 or VIDEO2 jacks (CS/BS or LD/DVD jacks for DHC-MD717) on the amplifier. See the operating instructions included with the component for details.

VIDEO 3 (VIDEO for DHC-MD717): Prepare the analog component connected to the VIDEO3 jacks (VIDEO jacks for DHC-MD717) on the amplifier. See the operating instructions included with the component for details.



TAPE: Insert a cassette tape to the optional tape deck.

- 3** Press REC 1 to 3 for the slot number containing the recordable MD.

The MD deck stands by for recording. To make a digital recording of the sound from the CD player or a digital component connected to the VIDEO 1 or VIDEO 2 DIGITAL IN jack (CS/BS or LD/DVD DIGITAL IN jack for DHC-MD717), go to step 5.


To make an analog recording of the sound from the tape deck or an analog component connected to the VIDEO3 jacks (VIDEO jacks for DHC-MD717), go to step 4.

- 4** Adjust the analog recording level. When you record an analog input signal (when the ANALOG IN indicator lights up), adjust the recording level. For details, see "Adjusting the recording level" on page 51.

-
- 5** Press  on the MD deck (or MD  on the remote).
Recording starts.
-

- 6** Start playing the source to be recorded.
-


To stop recording

Press  on the MD deck.

If “Analog REC!” appears

The system is making an analog recording of the sound from a digital component connected to the VIDEO1 or VIDEO2 jacks (CS/BS or LD/DVD jacks for DHC-MD717). To make a digital recording of the sound from a digital component, connect the component to the VIDEO 1 or VIDEO 2 DIGITAL IN jack (CS/BS or LD/DVD DIGITAL IN jack for DHC-MD717) using optical cables.


Notes

- Once the system has been set to analog recording, you must first switch the function to other than “VIDEO 1” or “VIDEO 2” (“CS/BS” or “LD/DVD” for DHC-MD717) to make a digital recording.
Stop the recording and press FUNCTION  repeatedly to select “VIDEO 1” or “VIDEO 2” (“CS/BS” or “LD/DVD” for DHC-MD717) again.
- Many types of DVD software cannot be digitally recorded. In these cases, an analog recording is made even if the DVD player is connected using optical cables.

Tip

Each time you press DISPLAY on the MD deck during recording, the recording time and remaining time of the MD appear alternately in the display.

When recording is completed

Press  and eject the MD. “TOC Writing” flashes and the MD Table of Contents (TOC) is updated.

While “TOC Writing” is flashing


Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

Recording over a recorded track

Select the point at which you want to start recording before step 3.

To record over:

- **From a specific position of the track**

Play the MD and press  on the MD deck at the desired point. The system changes to playing pause.

- **From the beginning of the track**

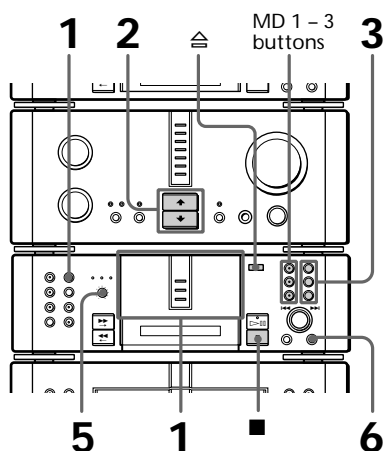
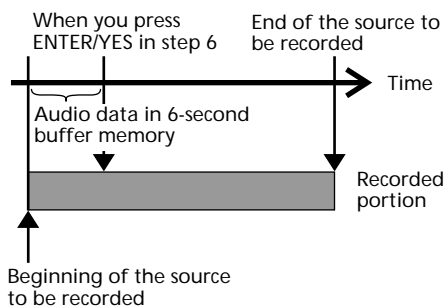
Pause MD play, then turn SELECTOR until the desired track number appears.
All the tracks from the selected track number onward are recorded over.

Continue the operations from step 3.

Starting recording with 6 seconds of prestored audio data

— Time Machine Recording

When recording from an FM or satellite broadcast, the first few seconds of material are often lost due to the time it takes you to ascertain the contents and press the record button. To prevent the loss of this material, the Time Machine Recording feature constantly stores the most recent audio data in a buffer memory. This lets you record the sound from 6 seconds before starting recording, as shown in the illustration below:



- 1 Insert a recordable MD (MDs), then press DISC SKIP on the MD deck (MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the recordable MD lights green.

You can record on any of the MDs in MD 1 to 3.

- 2 Press FUNCTION \uparrow/\downarrow on the amplifier repeatedly to select the sound source (e.g., "TUNER") you want to record.

- 3 Press REC 1 to 3 for the slot number containing the recordable MD. The MD deck stands by for recording.

- 4 Start playing the source to be recorded. The most recent 6 seconds of audio data is stored in the buffer memory.

- 5 When recording an analog input signal, adjust the recording level (see page 51).

- 6 Press ENTER/YES on the MD deck at the point you want to start recording.

Recording of the source starts with the 6 seconds of audio data stored in the buffer memory.

If the MD has been partially recorded, recording starts from the last recorded portion.

To stop Time Machine Recording

Press ■ on the MD deck.

When recording is completed

Press and eject the MD. "TOC Writing" flashes and the MD Table of Contents (TOC) is updated.

While "TOC Writing" is flashing

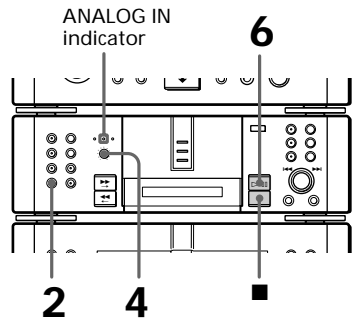
Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

Note

The MD deck starts storing audio data when the deck stands by for recording and you start playing the source. With less than 6 seconds of playing the source and audio data stored in the buffer memory, Time Machine Recording starts with less than 6 seconds of audio data.

Adjusting the recording level

When the ANALOG IN indicator lights up (analog recording), adjust the recording level before starting recording. You do not need to adjust the recording level during digital recording.





- 1** Do steps 1 to 3 in "Recording on an MD manually" on page 48, and set the MD deck to recording standby.
- 2** Press DISPLAY so that the level meter appears.
- 3** Play the portion of the source you want to record with the strongest signal level.
- 4** Turn REC LEVEL to adjust the recording level.
While monitoring the sound, adjust the level so that "■" does not appear at the right edge of the level meter.




Adjusting the recording level (continued)

5 Stop playing the sound source.

6 Press  on the MD deck (or MD  on the remote).
Recording starts.

7 Start playing the source to be recorded.

To stop recording

Press  on the MD deck.

Tip

When recording from this system's tuner (radio) or from the optional TC-TX770 tape deck to an MD, we recommend you set REC LEVEL to the 4th or 5th bar of the level meter. The recorded volume is roughly the same as the volume heard during recording.

Marking track numbers

You can mark track numbers:

- **Automatically while recording**

Track numbers are automatically marked as on the original source during CD and MD digital recording.

Use the Level Synchro Recording feature to automatically mark track numbers while recording other sources.

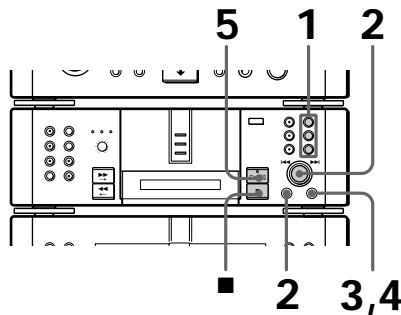
- **At any point while recording**

You can mark track numbers at any time while recording, regardless of the type of sound source.

Marking track numbers automatically while recording

— Level Synchro Recording

The Level Synchro Recording feature is factory set to on, so track numbers are automatically marked. If "LEVEL-SYNC" does not appear in the display during recording, follow the procedure below and turn on Level Synchro Recording. Track numbers are automatically marked when the input signal continues to be under a certain level for more than two seconds and then returns to the previous level.



1 Press REC 1 to 3 for the slot number containing the recordable MD, and set the MD deck to recording standby.

2 Press MENU/NO, then turn SELECTOR until “LevelSync ?” appears.

3 Press ENTER/YES.
“LevelSync ON?” appears.

4 Press ENTER/YES again.
“LEVEL-SYNC” lights up.

5 Press ▷◀ the MD deck (or MD II on the remote).
Recording starts.

To stop recording

Press ■ on the MD deck.

To cancel the track marking

1 Press MENU/NO during recording pause, then turn SELECTOR until “LevelSync ?” appears.

2 Press ENTER/YES.
“LevelSyncOFF?” appears.

3 Press ENTER/YES again.
“LEVEL-SYNC” disappears.

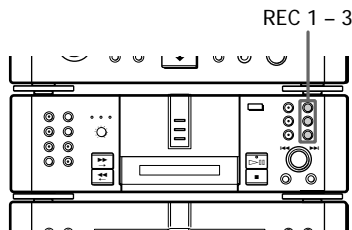
When “LEVEL-SYNC” is off, a track number is marked only at the beginning.

Note

You cannot mark track numbers automatically if the sound source to be recorded is noisy (e.g., tapes or radio programs).

Marking track numbers at a specific point while recording

You can mark track numbers at any time while recording, regardless of the type of sound source.



-
- ➔ Press REC 1 – 3 for the slot number containing the recordable MD while recording at the point you want to add a track mark.
A track number is marked at that point.
-

Making the space between tracks 3 seconds long

— *Smart Space, Auto Cut*

When you turn on Smart Space, the Smart Space and Auto Cut functions are both activated to make the blank space between tracks three seconds long automatically while making a digital recording.

Smart Space

There has been an extended silence of about 3 to 30 seconds during digital recording. The MD deck replaces the silence with a blank of about 3 seconds and continues recording.

Auto Cut

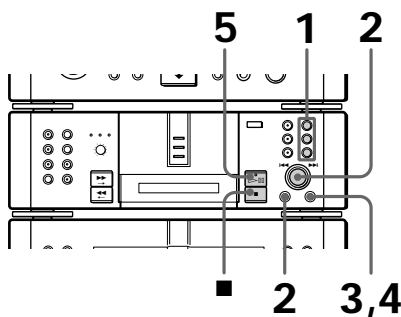
There has been no sound input for 30 seconds during digital recording.

The MD deck replaces the silence of 30 seconds with a blank of about 3 seconds and changes to recording pause.

Press \triangleright \square to restart the recording.

Tip

The Smart Space and Auto Cut functions are factory set to on. If you turn off the system or disconnect the AC power cord, the MD deck will retain the last setting (ON or OFF).



1 Press REC 1 – 3 for the slot number containing the recordable MD, and set the MD deck to recording standby.

2 Press MENU/NO, then turn SELECTOR until “S.Space ?” appears.

3 Press ENTER/YES.
“S.Space ON?” appears.

4 Press ENTER/YES again.

5 Press \triangleright \square on the MD deck (or MD \square on the remote).

Recording starts.

When “Smart Space” appears during recording, the Smart Space function is activated. When “Auto Cut” appears, the Auto Cut function is activated.

To stop recording

Press \blacksquare on the MD deck.

To turn off the Smart Space and Auto Cut functions

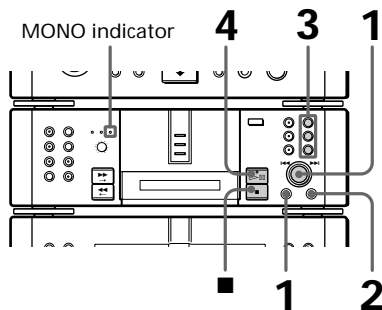
1 Press MENU/NO during recording pause, then turn SELECTOR until “S.Space ?” appears.

2 Press ENTER/YES.
“S.Space OFF?” appears.

3 Press ENTER/YES again.

Monaural recording

You can make a monaural recording of the stereo signal input to the MD deck.



To cancel monaural recording

- 1 Press MENU/NO while the MD deck is stopped, then turn SELECTOR until "Stereo Rec ?" appears.
- 2 Press ENTER/YES.

Tips

- The MONO indicator lights up during monaural recording.
- The MD recording time for monaural recording is roughly double that for stereo recording.
- The recording mode is factory set to stereo recording. When you stop monaural recording, the setting returns to stereo recording. (The setting is not backed up.)

Note

If you set monaural recording while recording a stereo broadcast or other source, the monitor sound remains in stereo.

- 1 Press MENU/NO while the MD deck is stopped, then turn SELECTOR until "Mono Rec ?" appears.
- 2 Press ENTER/YES.
- 3 Press REC 1 – 3 for the slot number containing the recordable MD, and set the MD deck to recording standby.
- 4 Press in the MD deck (or MD on the remote). Recording starts.

To stop recording

Press on the MD deck.

Before you start editing

You can edit recorded MDs by moving and erasing tracks, etc. By editing the recorded tracks, you can create original MD albums without dubbing between MDs.

Editing functions

• Name — Labeling MDs and tracks

You can create titles (names) for your recorded MDs and tracks using alphabet letters (upper and lower cases), numbers and some symbols.

• Erase — Erasing recordings

You can erase unwanted tracks.

• Move — Moving recorded tracks

You can freely change the order of the recorded tracks.

• Divide — Adding track numbers to multiple tracks that are recorded as one track

When you divide a track, this function adds a track number at the start of the new track.

You can also mark track numbers in the middle of a track, letting you easily find your favorite phrases.

• Combine — Combining recorded tracks

This function erases the blank space between two tracks and join them into a single track.

This function also lets you join separated tracks such as the tracks 1 and 4.

• Undo — Undoing the last edit

If you erase the wrong track or change the track order incorrectly, this function lets you cancel the last edit and restore the tracks and track order to the condition before the edit.

Before you start editing

You can edit an MD only when:

- The MD is not record-protected.
- The MD playback mode is normal play.

Be sure to check the following before starting editing:

1 Check that the MD is not record-protected.



Slide close the tab at the side of the MD to cover the hole (see page 39). If the MD is record-protected, you cannot edit the MD.

2 Press CONTINUE on the MD deck and select normal play.

You can edit MDs only during normal play.

You cannot edit MDs during Shuffle or Program Play.



After editing

➔ Press  and eject the MD, or press  (power) to turn off the system. “TOC Writing” flashes. The MD Table of Contents (TOC) is updated and editing is completed.

Note

MD editing is completed when the TOC is updated. If you pull out the power cord before the TOC is updated, the edited contents are not written to the MD.

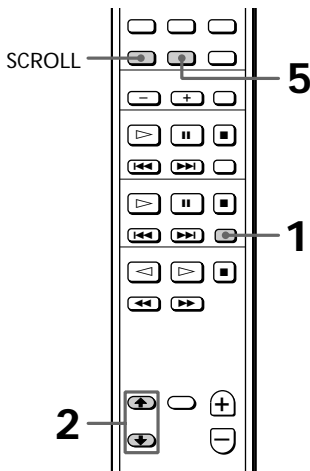
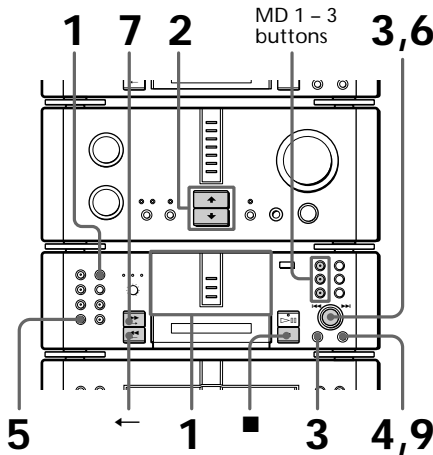
The TOC is updated when you do the following operations. Therefore, be sure to do these operations before you pull out the power cord.

- Press  and eject the MD.
- Press  (power) to turn off the system.

Labeling an MD

— Name Function

When a CD has a disc title (name), the same title is assigned to the MD (Disc Memo Copy). However, you can also create titles for your recorded MDs and tracks. You can use up to 1,700 characters for a disc.



- 1 Insert the MD you want to edit, then press DISC SKIP on the MD deck (or MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the MD lights green.

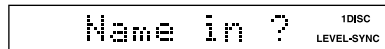
- 2 Press FUNCTION \uparrow / \downarrow on the amplifier repeatedly to switch the function to MD.

While playing an MD, press \blacksquare to stop play.

Wait for the total number of tracks and the total playing time to appear, then proceed to the next step.

To label a track, turn SELECTOR until the track number you want to label appears.

- 3 Press MENU/NO, then turn SELECTOR until "Name in ?" appears.



- 4 Press ENTER/YES. The cursor starts flashing.



Labeling an MD (continued)

- 5** Press **DISPLAY** repeatedly until the desired type of character appears. Each time you press the button, the display changes as follows:

A (Upper cases) → a (Lower cases)
→ 0 (Numbers) → ! (Symbols)*
→ ␣ (Blank space) → A → ...

* You can use the following symbols:

! " # \$ % & ' () * + , - . / : ; < = > ? @ _ `

- 6** Turn **SELECTOR** until the character you want appears.

To enter a blank space, press → without turning **SELECTOR**. You cannot enter a space as the first character.

- 7** Press → to enter the character. The cursor shifts rightward and waits for the input of the next character.



- 8** Repeat steps 5 to 7 to complete the entire title.

If you made a mistake, press ← or → until the character you want to change flashes, then repeat steps 5 to 7. To erase the character, press **MENU/NO**. Each time you press the button, the character at the position of the cursor is erased. You cannot insert characters.

- 9** Press **ENTER/YES** to complete the labeling procedure.

The titles you entered appear sequentially, then the display returns to the display in step 1.

To cancel labeling

Press ■ on the MD deck during steps 3 to 8.

Checking the titles

To check the disc titles, press **DISC SKIP** on the MD deck (or **MD D.SKIP** on the remote) repeatedly while the deck is stopped until the desired disc number appears.

To check the track titles, turn **SELECTOR** while the deck is stopped until the desired track number appears.

The titles are displayed scrolling in the MD deck display.

Checking the titles with the remote

To check the disc titles, press **SCROLL** while the deck is stopped. To check the track titles, press **SCROLL** while in play. The titles are displayed scrolling in the display. To stop scrolling, press **SCROLL**. Press the button again to restart scrolling.

Notes

- You can also display disc and track titles by pressing **DISPLAY**, but only the first 10 characters of disc titles or the first 7 characters of track titles appear. The remaining characters do not scroll in the display.
- You can label a track title while playing or recording, but you must complete the labeling before the track ends.

Erasing all titles

- 1 Turn SELECTOR in step 3 of “Labeling an MD” until “Name AllErs?” appears, then press ENTER/YES.
“Name AllErs??” appears.
- 2 To erase all the titles, press ENTER/YES.
All the disc titles and track titles are erased.

To cancel erasing

Press ■ on the MD deck.

Erasing a disc title

- 1 Turn SELECTOR in step 3 of “Labeling an MD” until “DiscNameErs?” appears, then press ENTER/YES.
“DiscNameErs??” appears.
- 2 To erase the disc title, press ENTER/YES.
The disc title is erased.

To cancel erasing

Press ■ on the MD deck.

Erasing a track title

- 1 Turn SELECTOR until the desired track number appears.
- 2 Press MENU/NO, then turn SELECTOR until “Name Ers?” appears.
- 3 Press ENTER/YES.
“Name Ers??” appears.
- 4 Press ENTER/YES again.
The title of the track selected in step 1 is erased.

To cancel erasing

Press ■ on the MD deck.

Returning to the condition before labeling/erasing

You can return to the original condition immediately after labeling or erasing a title (see page 66).

Erasing recordings

— Erase Function

The MD system lets you erase unwanted sound quickly and easily. You can restore erased recordings by using the Undo Function (see page 66) immediately after the erase operation. However, you cannot restore erased recordings if you do other editing, so be careful when erasing recordings.

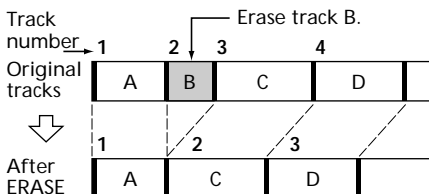
The three options to erase recordings are:

- Erasing a single track
- Erasing all tracks
- Erasing a portion of a track

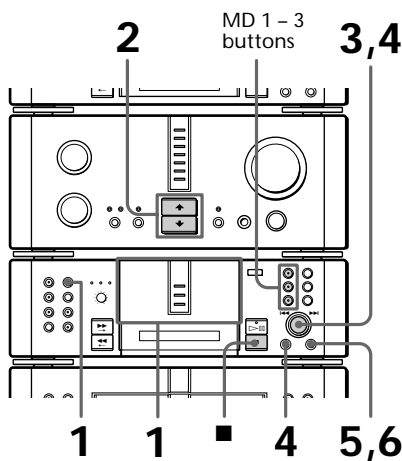
Erasing a single track

You can erase a track simply by specifying its track number. When you erase a track, the total number of tracks on the MD decreases by one and all the tracks following the erased one are renumbered.

Example: Erasing track 2.



All the tracks following the erased one are renumbered, so when erasing multiple tracks (e.g., tracks 2, 5 and 6), we recommend erasing from the higher numbered tracks.



1 Insert the MD you want to edit, then press DISC SKIP on the MD deck (or MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the MD lights green.

2 Press FUNCTION \uparrow/\downarrow on the amplifier repeatedly to switch the function to MD.

3 Turn SELECTOR until the track number you want appears.



The track number you want

4 Press MENU/NO, then turn SELECTOR until "Erase ?" appears.

5 Press ENTER/YES. "Erase ??" appears.

-
- 6** Press ENTER/YES again.
“Complete” appears for a few seconds
and the selected track and title are
erased.
-

To cancel the Erase Function

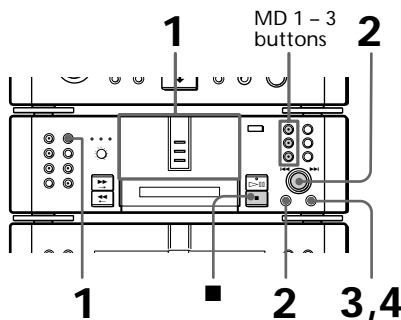
Press ■ on the MD deck.

Note

“Erase!! ?” appears when the track was recorded or edited on another deck and is record protected. To erase the track, press ENTER/YES while “Erase!! ?” is displayed.

Erasing all tracks

You can erase the disc title, all recorded tracks and their titles at once.



-
- 1** Insert the MD you want to edit, then press DISC SKIP on the MD deck (or MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the MD lights green.
-
- 2** Press MENU/NO while the MD deck is stopped, then turn SELECTOR until “All Erase ?” appears.
-
- 3** Press ENTER/YES.
“All Erase ??” appears.
-
- 4** Press ENTER/YES again.
“Complete” appears for a few seconds
and all recorded tracks and their titles
are erased.
-

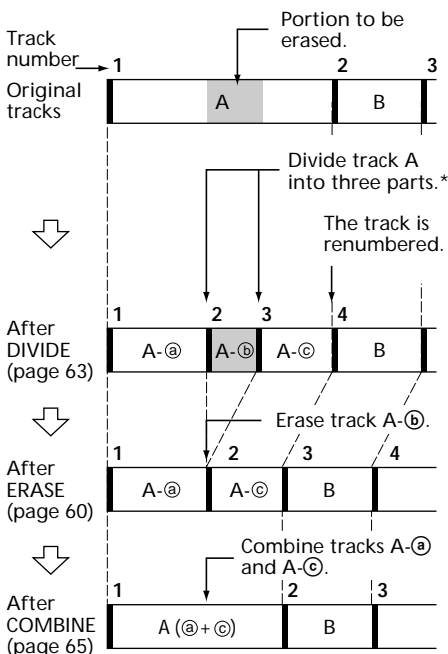
To cancel the Erase Function

Press ■ on the MD deck.

Erasing a portion of a track

By using the Divide (see page 63), Erase (see page 60), and Combine (see page 65) Functions, you can erase specific portions of a track.

Example: Erasing a portion of track A.



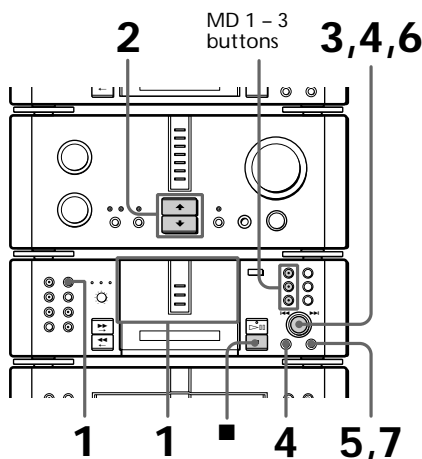
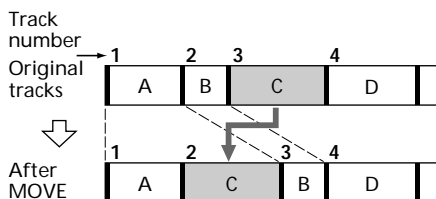
* The tracks are renumbered.

Moving recorded tracks

— Move Function

By using the Move Function, you can change the order of any track on the disc. When you move tracks, the tracks are automatically renumbered.

Example: Moving track 3 to position 2.



- 1 Insert the MD you want to edit, then press DISC SKIP on the MD deck (or MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the MD lights green.

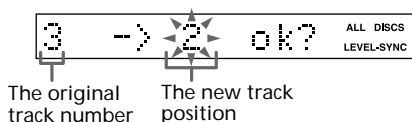
2 Press **FUNCTION** \uparrow / \downarrow on the amplifier repeatedly to switch the function to MD.

3 Turn **SELECTOR** until the track number you want to move appears.

4 Press **MENU/NO**, then turn **SELECTOR** until "Move ?" appears.

5 Press **ENTER/YES**.

6 Turn **SELECTOR** until the new track position appears.



7 Press **ENTER/YES**.
"Complete" appears for a few seconds and the tracks are moved.

To cancel the Move Function

Press \blacksquare on the MD deck.

Returning to the track order before MOVE

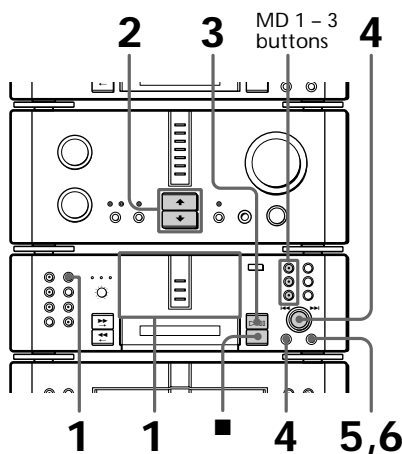
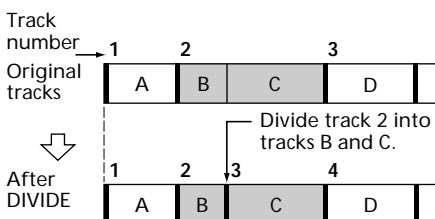
You can return to the original track order immediately after moving recorded tracks (see page 66).

Dividing recorded tracks

— Divide Function

The Divide Function lets you mark track numbers after the recording ends. The total number of tracks increases by one and all the tracks following the divided ones are renumbered.

Example: Dividing track 2 into two tracks.



1 Insert the MD you want to edit, then press **DISC SKIP** on the MD deck (or **MD D.SKIP** on the remote) so the MD 1 to 3 button of the slot containing the MD lights green.

**Dividing recorded tracks
(continued)**

- 2

Press **FUNCTION** / on the amplifier repeatedly to switch the function to MD.
- 3

While playing the MD, press (or **MD** on the remote) at the point to be divided.
The MD deck pauses.
- 4

Press **MENU/NO**, then turn **SELECTOR** until “Divide ?” appears.
- 5

Press **ENTER/YES**.
“Rehearsal” and “Position ok?” appear alternately and the portion to be divided is played repeatedly.

To shift the position to be divided:
While monitoring the sound, turn **SELECTOR** to the starting point to be divided.
You can shift the point by 1/86 seconds (1 frame) intervals.
- 6

Press **ENTER/YES** again.
“Complete” appears for a few seconds and the newly created track begins playing.

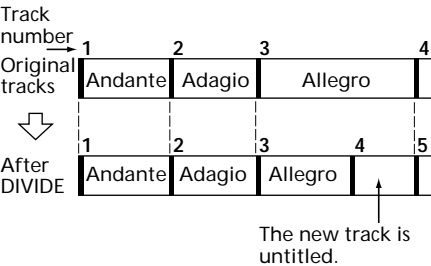
To cancel the Divide Function

Press on the MD deck.

Notes

- When you divide a labeled track (see page 57), only the first of the two tracks retains the track title.

Example:



- You cannot divide the start or end of a track. If you specify the start or end of a track as the position to be divided, “Impossible” appears. Turn **SELECTOR** to shift the position.

Returning to the condition before DIVIDE

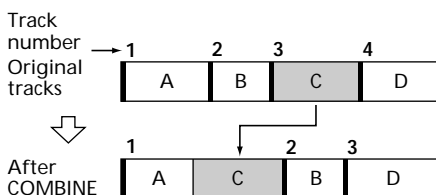
You can return to the original condition immediately after dividing the tracks (see page 66).

Combining recorded tracks

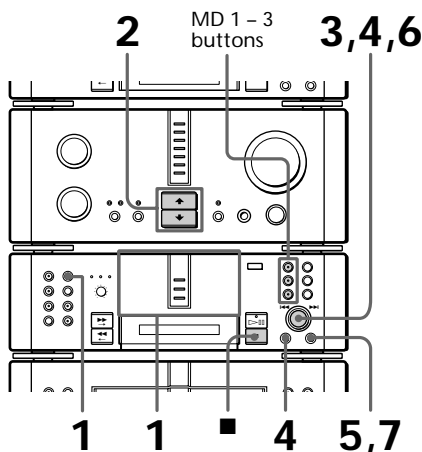
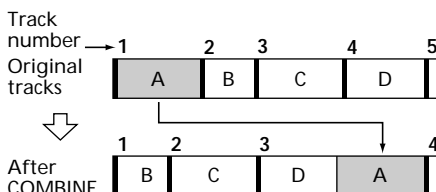
— Combine Function

This function lets you put several tracks or several independently recorded portions into a single track. The total number of tracks decrease by one and all the tracks following the combined ones are renumbered.

Example: Combining track 3 to track 1.



Example: Combining track 1 to track 4.



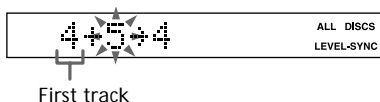
1 Insert the MD you want to edit, then press DISC SKIP on the MD deck (or MD D.SKIP on the remote) so the MD 1 to 3 button of the slot containing the MD lights green.

2 Press FUNCTION \uparrow / \downarrow on the amplifier repeatedly to switch the function to MD.

3 Turn SELECTOR until the number of the first track of the two to be combined appears.
For example, to combine tracks 4 and 1, select track 4.

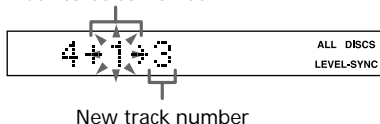
4 Press MENU/NO, then turn SELECTOR until "Combine ?" appears.

5 Press ENTER/YES.



6 Turn SELECTOR until the number of the second track of the two to be combined appears.

Track to be combined



New track number

7 Press ENTER/YES.
"Complete" appears for a few seconds and the combined tracks start playing.

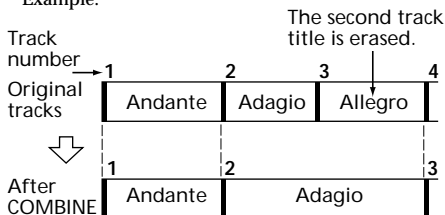
To cancel the Combine Function
Press ■ on the MD deck.

Combining recorded tracks (continued)

Notes

- If both of the combined tracks have track titles, the title of the second track is erased.

Example:



- If “Impossible” appears, the tracks cannot be combined. This happens when you have edited the same track too many times. This is due to a technical limitation of the MD system and is not a mechanical error.

Returning to the condition before COMBINE

You can return to the original condition immediately after combining the tracks (see this page).

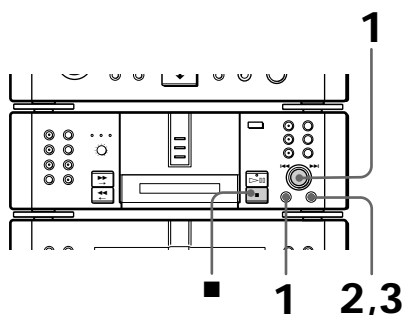
Undoing the last edit

— Undo Function

You can cancel the last edit and restore the contents of the MD to the condition before the edit.

Note, however, that you cannot undo an edit if you do any of the following after the edit:

- Do another edit.
- Press any of the REC 1 – 3.
- Press CD SYNC.
- Press REC IT.
- Update the TOC by turning off the system or ejecting the MD.
- Disconnect the AC power cord.



- 1 Press MENU/NO repeatedly, then turn SELECTOR until “Undo ?” appears.

“Undo ?” does not appear if you have done no editing or while the MD is playing.

Press ■ on the MD deck and stop play.

2 Press ENTER/YES.
One of the following messages appears,
depending on the last edit.

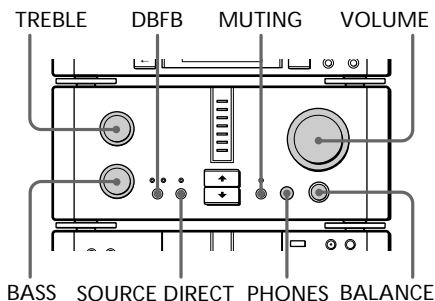
Editing done:	Message:
Labeling a track or an MD	
Changing an existing title	"Name Undo?"
Erasing all titles on an MD	
Erasing a single track	
Erasing all tracks on an MD	"Erase Undo?"
Erasing a portion of a track	
Moving a track	"Move Undo?"
Dividing a track	"Divide Undo?"
Combining tracks	"Combine Undo?"

3 Press ENTER/YES again.
"Complete" appears for a few seconds
and the contents of the MD are restored
to the condition before the edit.

To cancel the Undo Function
Press ■ on the MD deck.

Adjusting the sound

You can adjust the bass and treble, mute the sound or listen to the source directly.



Adjusting the volume

- ➔ Turn VOLUME.
Or press VOL (+) / (-) on the remote.

Adjusting the bass

- ➔ Turn BASS.

Adjusting the treble

- ➔ Turn TREBLE.

Adjusting the balance

- ➔ Turn BALANCE.

Note

When the SOURCE DIRECT indicator is lit, you cannot adjust BASS, TREBLE or BALANCE. Press SOURCE DIRECT to turn off the indicator.

Boosting the bass

- ➔ Press DBFB*.
Each time you press the button, the indicator lights up as follows:
“LOW” → “HIGH” → off
Press the button repeatedly until the indicator turns off to cancel.

* DBFB: Dynamic Bass Feedback

Muting the sound

- ➔ Press MUTING.
The indicator lights up. Press the button again to return to the original volume.

Listening to music without any sound effects

- ➔ Press SOURCE DIRECT.
The indicator lights up.
The system outputs the music signals directly without passing them through any circuit.
Press the button again to cancel.

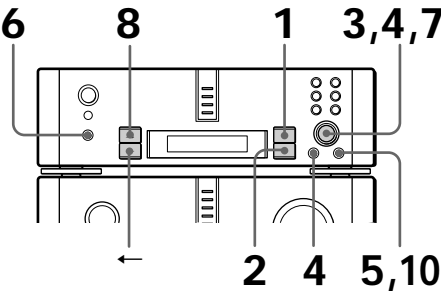
Listening through the headphones

- ➔ Connect the headphones to PHONES.

Labeling the preset stations

— Station Name

You can assign a name of up to ten characters (Station Name) to a preset station. The Station Name appears when you tune in the station.



- 1** Press BAND repeatedly until the band you want appears.

DHC-EX880MD:
FM → MW → LW*

DHC-MD717:
FM → AM

* You cannot assign a name to an LW station.

- 2** For DHC-EX880MD:
Press TUNING MODE repeatedly until “PRESET” appears.

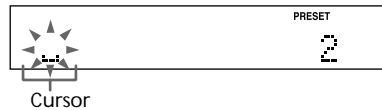
For DHC-MD717:
Press PRESET.

- 3** Turn MULTI CONTROLLER until the preset number of the station you want to label appears.

- 4** Press MENU/NO, then turn MULTI CONTROLLER until “Name in ?” appears.



- 5** Press ENTER/YES.
The cursor starts flashing.



- 6** Press DISPLAY so that the desired type of character appears.
Each time you press the button, the display changes as follows:

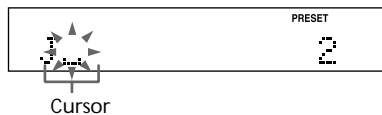
A (Upper cases) → a (Lower cases)
→ 0 (Numbers) → ! (Symbols)*
→ [] (Blank space) → A → ...

* You can use the following symbols:

! " # \$ % & ' () * + , - . / : ; < = > ? @ _ `

- 7** Turn MULTI CONTROLLER until the character you want appears.
The selected character flashes.
To enter a blank space, press → without turning MULTI CONTROLLER.

- 8** Press → to enter the character.
The cursor shifts rightward and waits for the input of the next character.



Labeling the preset stations (continued)

- 9** Repeat steps 6 to 8 to complete the name.
If you made a mistake, press ← or → until the character you want to change flashes, then repeat steps 6 to 8. To erase the character, press MENU/NO. Each time you press the button, the character at the position of the cursor is erased. You cannot insert characters.

- 10** Press ENTER/YES to complete the labeling procedure.
“Complete” appears for a few seconds and the name is stored in the system memory.

To cancel labeling

Press TUNING MODE (for DHC-EX880MD) or PRESET (for DHC-MD717).

To check the Station Name of the current station

Each time you press DISPLAY, the display changes as follows:

→ Station Name → Frequency → Clock →

To erase the name

Start over from step 1, then press MENU/NO repeatedly after step 5 to erase the name.

Using the Radio Data System (RDS)

(DHC-EX880MD only)

What is the Radio Data System?

Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal. This tuner offers convenient RDS features, such as monitoring traffic, news, or information programs and locating a station by program type (PTY). RDS is available only on FM stations*.

Note

RDS may not work properly if the station you are tuned to is not transmitting the RDS signal properly or if the signal strength is weak.

* Not all FM stations provide RDS service, nor do they provide the same types of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

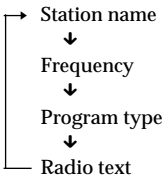
Receiving RDS broadcasts

- ➔ Simply select a station from the FM band.

When you tune in a station that provides RDS services, the station name appears in the display.

To check the RDS information

Each time you press DISPLAY on the tuner, the display changes as follows:

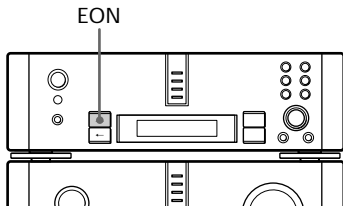


Notes

- “No PTY Data” appears when the receiving station does not broadcast the program type you selected.
- “No Text Data” appears when the receiving station does not broadcast the radio text data.
- “PTY Alarm” flashes when there is an emergency announcement by governmental authorities.

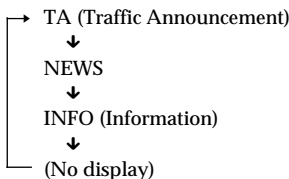
Monitoring traffic, news, or information programs (EON)

Enhanced Other Networks (EON) allows the tuner to automatically switch to a station broadcasting traffic, news, or other information. After the program ends, the tuner switches back to the station you were listening to (or the function you were using).



➔ Press EON to select the desired EON program.

Each time you press EON, the display changes as follows:



The tuner enters the EON standby mode. “No TA service”, “No News” or “No Info” appears if there is no station that broadcasts the program you selected.

When a station starts broadcasting the program you selected, the tuner switches to the station and an indication (“TA”, “NEWS” or “INFO”) flashes. If you select “TA”, “NOW TA Service” appears when the station broadcasts the traffic announcement.

After the program ends, the unit switches back to the station you were listening to (or the function you were using).

To stop monitoring

Press EON once.

Tip

You can receive the incoming RDS information while the system is turned off. After selecting the desired EON program (TA, NEWS or INFO), press I/⏻ (power) to turn off the system (“EON Wait?” and “Push EON KEY” appear alternately). Within six seconds, press EON so that “EON WAITING” appears.

Every time the tuner receives an EON program, the system automatically turns on and returns to the standby mode when the program is finished.

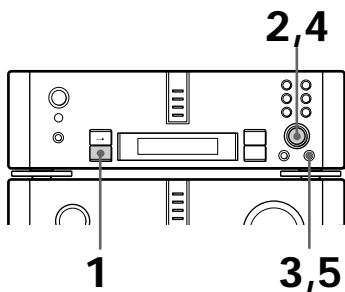
Notes

- The EON feature does not work while recording. So, turn off the EON feature when you want to record a program without interruptions, especially when you want to do timer recording.
- Not all RDS stations provide EON service.
- The station will not switch if the current receiving station broadcasts the program you selected.
- “Weak Signal” appears when the current EON station cannot provide RDS data due to a weak signal and “Returning” appears when the system is attempting to retune the EON station.

Using the Radio Data System (RDS) (continued)

Locating a station by program type (PTY)

You can locate a station you want by selecting a program type. The system tunes in the type of programs currently being broadcast from the RDS stations stored in the tuner's preset memory.



- 1** Press **PTY**.
"PTY Select" appears.
- 2** Turn **MULTI CONTROLLER** until the desired program type appears.
See "List of program types (PTY)."
- 3** Press **ENTER/YES**.
The system starts searching for the preset RDS stations ("PTY Search" and the selected program type appear alternately).
When the tuner receives a program, the preset station number flashes.
- 4** Turn **MULTI CONTROLLER** until the desired preset station number flashes.
- 5** Press **ENTER/YES** while the preset station number is flashing.

List of program types (PTY)

News

News programs.

Affairs

Topical programs that expand on current news.

Information

Programs about consumer affairs, medical advice, and weather.

Sport

Sports programs.

Education

Educational programs, such as a "how-to" programs and advice.

Drama

Radio plays and serials.

Culture

Programs about national or regional culture, such as religion, language, and societal concerns.

Science

Programs about the natural sciences.

Varied

Programs containing celebrity interviews, panel games, and comedy.

Pop Music

Popular music programs.

Rock Music

Rock music programs.

M.O.R. Music

Easy listening (middle of the road music).

L. Classical

Classical music, such as instrumentals, and vocal and choral works.

S. Classical

Performances of major orchestras, chamber music, opera, etc.

Other Music

Music, such as jazz, rhythm and blues, and reggae.

Alarm

Emergency broadcasts.

PTY undefined

Any programming not defined above.

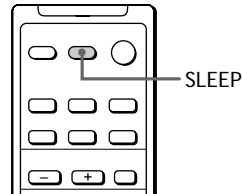
Notes

- “PTY not found” appears when the program you selected is not currently being broadcast.
- “PTY change” appears when the program type you selected has ended while PTY scanning. You will receive another station if it broadcasts the same type of program.
- “Text waiting” appears when Radio Text Data is not being provided.

Falling asleep to music

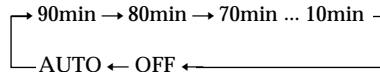
— Sleep Timer

You can have the system turn off at a preset time, so you can fall asleep to music. You can preset the time to turn off in 10 minute intervals.



➔ Press SLEEP and select the time.

Each time you press the button, the minute display (the turn-off time) changes as follows:



To check the remaining time

Press SLEEP once.

To change the time to turn off

Select the time you want by pressing SLEEP.

To cancel the Sleep Timer operation

Press SLEEP repeatedly until “OFF” appears.

If you select “AUTO”

The system automatically turns off when the current CD or MD finishes playing. When a different sound source is selected (e.g., TUNER), the system turns off after 100 minutes.

The system also turns off when you press ■ and stop play.

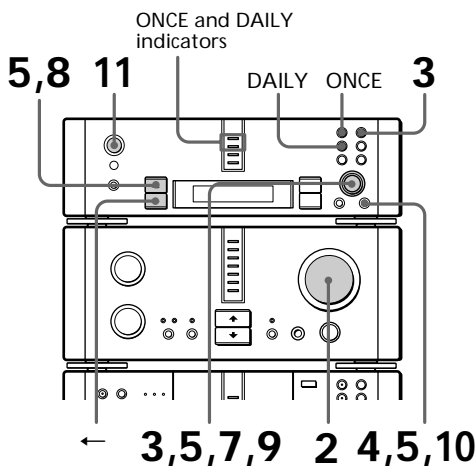
Tip

You do not have to set the clock to use the Sleep Timer.

Waking up to music

— Wake-up Timer

You can wake up to music at a preset time. Make sure you have set the clock (see page 12).



1 Prepare the sound source you want to play.

- **CD:** Place the desired CD in the tray. To play the tracks in a specific order, press **PROGRAM** repeatedly so that one of "PROGRAM-1" to "PROGRAM-3" appears (see page 27).
- **MD:** Insert the desired MD to the slot. To play the tracks in a specific order, make a program (see page 35).
- **Radio:** Tune in the desired station (see page 13).
- **Tape:** Insert a tape in the optional tape deck.

2 Turn VOLUME to adjust the volume.

3 Press CLOCK/TIMER SET, then turn MULTI CONTROLLER to select "ONCE TIMER" or "DAILY TIMER".

If you select "ONCE TIMER", the Wake-up Timer activates only once. If you select "DAILY TIMER", the Wake-up Timer activates at the same time every day.

4 Press ENTER/YES.

If you selected "ONCE TIMER", the day indication starts flashing. If you selected "DAILY TIMER", the hour indication starts flashing.

5 Set the time to start playback.

If you selected "DAILY TIMER" in step 3, skip step 1 below.

- 1 Turn **MULTI CONTROLLER** to set the day, then press **→** or **ENTER/YES**. The hour indication starts flashing. The clock is on a 24-hour system for the DHC-EX880MD, and a 12-hour system for DHC-MD717.
- 2 Turn **MULTI CONTROLLER** to set the hour, then press **→** or **ENTER/YES**. The minute indication starts flashing.



- 3 Turn **MULTI CONTROLLER** to set the minute, then press **→** or **ENTER/YES**. The day or hour indication flashes again.

6 Set the time to stop playback following the procedure in step 5. The sound source indication appears.

7 Turn MULTI CONTROLLER until the sound source you want appears. The indications change as follows:

→ CD → MD → TUNER → TAPE* →

* Select "TAPE" to use the optional component connected to the TAPE jacks as the sound source.

8 Press →.
If you selected "TAPE", go to step 10.

9 Turn MULTI CONTROLLER until the desired CD (DISC1 – 3), MD (DISC1 – 3) or radio station* appears.

To play the CD or MD tracks in a specific order, select "PLAY".

When you select "PLAY" for CD or MD, the selected (CD 1 – 3 or MD 1 – 3 button lights green) CD or MD is played.

* DHC-EX880MD: FM1 – 20, MW1 – 10,
LW1 – 10
DHC-MD717: FM1 – 20, AM1 – 10

10 Press ENTER/YES.
The timer type (ONCE or DAILY) appears, followed by the start time, the stop time and the sound source, then the original display appears.

11 Turn off the system.

To change the setting

Start over from step 1. Press ← or → after step 5 until the indication you want to change flashes, then change the setting.

To set/check the timer

Press ONCE or DAILY to turn on the ONCE or DAILY indicator.

If the indicator is already lit, press the button once to turn off the indicator, then press it again.

The check screen appears, then the original display appears.

To cancel the timer operation

Press ONCE or DAILY to turn off the ONCE or DAILY indicator.

"TIMER OFF" appears and the timer operation is canceled.

Tip (for DHC-EX880MD)

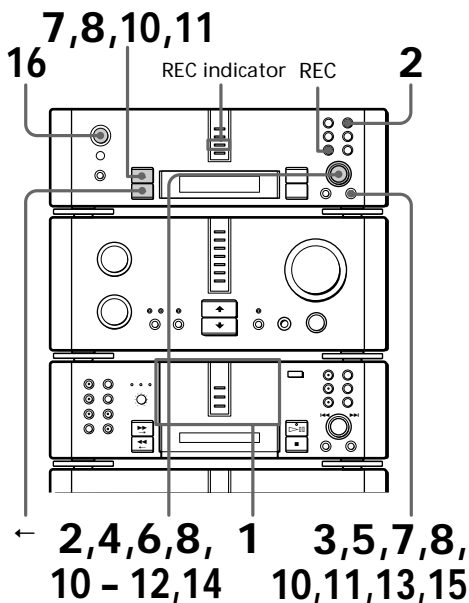
When you connect the optional TC-TX770 tape deck to the system with the audio bus cable (see page 84), the deck power is also turned on automatically by the system's timer. This lets you wake up to the tape without setting the deck timer.

Notes

- You cannot use the Wake-up Timer at the same time as the Recording Timer (REC).
- Do not operate the system from the time the system turns on until the playback starts (about 20 seconds). If you do so, the timer may not operate correctly.
- If the power is on at the time to turn on, the set sound source starts playing.
- Optional components other than the TC-TX770 (for DHC-EX880MD only) deck are not activated by the Wake-up Timer. When using these components as the sound source, make the same timer settings on the component side.
- If the timer-on and -off settings are the same, "OFF TIME NG !" appears and the cursor returns to the timer-off setting. Change the time to turn off.

Timer-recording radio programs

This system has three recording timers, and you can set three timers at the same time. You can also timer-record up to three MDs, letting you timer-record a 2-hour program. Make sure you have preset the radio station (see page 13) and set the clock (see page 12).



- 1** Insert a recordable MD (MDs) into the slot(s).
You can record on any of the MDs in MD 1 to 3. Insert multiple MDs to record for long times. Recording starts in order from MD 1.

- 2** Press CLOCK/TIMER SET, then turn MULTI CONTROLLER until "REC TIMER" appears.

REC TIMER

- 3** Press ENTER/YES.

- 4** Turn MULTI CONTROLLER until one of "REC TIMER 1" to "REC TIMER 3" appears.

REC TIMER 1

- 5** Press ENTER/YES.

- 6** Turn MULTI CONTROLLER until "ONCE REC", "DAILY REC" or "WEEKLY REC" appears.

If you select "ONCE REC", the recording timer activates only once. If you select "DAILY REC", the timer activates at the same time every day. If you select "WEEKLY REC", the timer activates at the same time on the set day of every week.

-
- 7** Press → or ENTER/YES.
If you selected “ONCE REC” or “WEEKLY REC”, the day indication starts flashing. If you selected “DAILY REC”, the hour indication starts flashing.

-
- 8** Set the time to start recording.
If you selected “DAILY REC” in step 6, skip step 1 below.
- 1** Turn MULTI CONTROLLER to set the day, then press → or ENTER/YES.
The hour indication starts flashing.
The clock is on a 24-hour system for the DHC-EX880MD, and a 12-hour system for DHC-MD717.
- 2** Turn MULTI CONTROLLER to set the hour, then press → or ENTER/YES.
The minute indication starts flashing.



- 3** Turn MULTI CONTROLLER to set the minute, then press → or ENTER/YES.
The day or hour indication flashes again.
-
- 9** Set the time to stop recording following the procedure in step 8.
The sound source indication appears.
-
- 10** Turn MULTI CONTROLLER to select “TUNER”, then press → or ENTER/YES.

-
- 11** Turn MULTI CONTROLLER to select the preset station you want to record, then press → or ENTER/YES.

-
- 12** Turn MULTI CONTROLLER to select the recording destination (MD number).
Select the slot containing the MD you inserted in step 1.
- “to MD DISC1”: Recording to MD 1.
 - “to MD DISC2”: Recording to MD 2.
 - “to MD DISC3”: Recording to MD 3.
 - “to MD DISC ALL”: Recording to MD 1, then MD 2, then MD 3.
 - “to TAPE” (DHC-EX880MD only): Recording to the optional TC-TX770 tape deck.

-
- 13** Press ENTER/YES.

-
- 14** Turn MULTI CONTROLLER to select “STEREO REC” or “MONO REC”.
Skip this operation if you selected “to TAPE” in step 12.

-
- 15** Press ENTER/YES.
The timer number (REC 1 – 3) appears, followed by the timer type (ONCE, DAILY or WEEKLY), the start time, the stop time, the recording source, the recording destination and the recording method (STEREO or MONO)*, then the original display appears.
- * Only when recording on an MD.

-
- 16** Turn off the system.
-

**Timer-recording radio programs
(continued)**

To change the setting

Start over from step 1.

If you made a mistake, press ← and return to the point you want to change, then change the setting.

To set/check the timer

- 1 Press REC.
- 2 Turn MULTI CONTROLLER to select ON (set) or OFF (cancel), then press ENTER/YES.

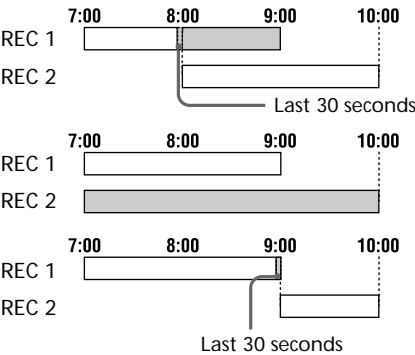
Each time you press ENTER/YES, the set timer numbers appear in order. Turn each timer ON or OFF.

To cancel all timer operations at once

Press REC to turn off the REC indicator. "TIMER OFF" appears and all set timer operations are canceled.

If the set times overlap

The shaded portions  are not recorded.



Tip

When you record from the radio, the Station Name (see page 69, or the frequency if the station is not labeled) is recorded on the MD along with the start and stop times.

Notes

- When you record a long program on multiple MDs (if you selected "to MD DISC ALL" at step 12), the sound will not be recorded while the system is switching MDs. If all the program cannot fit on MD 1, recording starts automatically from the next MD. Be sure to insert a recordable MD (MDs) beforehand and remove any unwanted MDs from the slots.
- Do not operate the system from the time the power turns on until the recording starts (about one minute). If you do so, the timer may not operate correctly.
- If the timer-on and -off settings are the same, "OFF TIME NG !" appears and the cursor returns to the timer-off setting. Change the time to turn off.
- When you use a brand new MD to record, the first 30 seconds will not be recorded.
- If the power is on two minutes before the preset time, the timer-recording may not be activated. Make sure you finish the settings at least two minutes before the preset time, then turn off the system.
- The volume is reduced to minimum during recording.

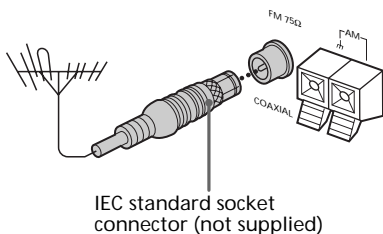
Connecting optional antennas

Connect optional antenna to improve the reception.

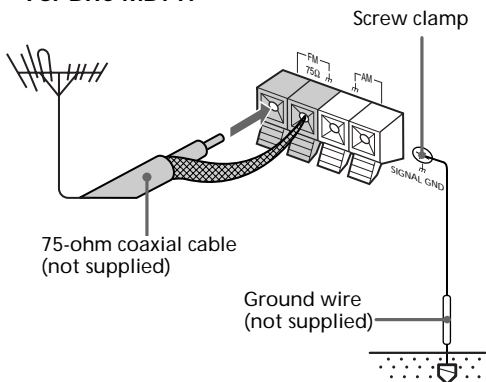
FM antenna

Connect the optional FM outdoor antenna. You can also use the TV antenna instead.

For DHC-EX880MD



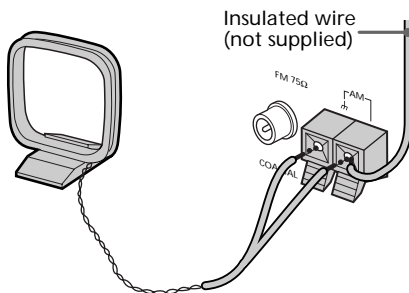
For DHC-MD717



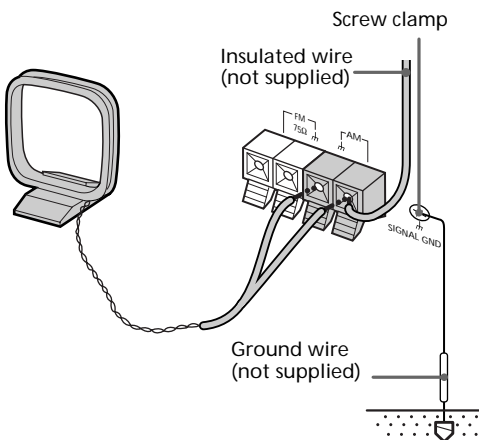
AM antenna

Connect a 6-to-15-meter insulated wire to the AM antenna terminal. Leave the supplied AM loop antenna connected.

For DHC-EX880MD



For DHC-MD717



Important

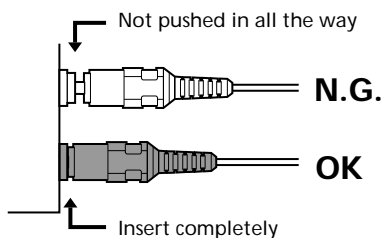
If you connect an outdoor antenna, ground it against lightning. (For DHC-MD717, ground from SIGNAL GND terminal with the screw clamp.) To prevent a gas explosion, do not connect the ground wire to a gas pipe.

Connecting optional AV components

To enhance your system, you can connect optional components. Refer to the instructions of each component. Before making connections, take the cap off the jacks, and keep it for future use.

Connecting the audio cords

Insert the plugs firmly, pushing them in all the way.

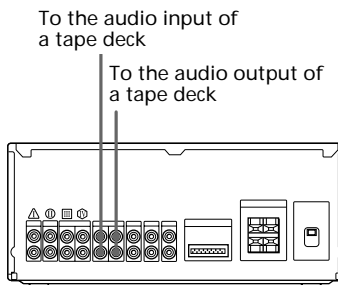


Connecting the tape deck

Connect the tape deck to the TAPE jack on the amplifier using audiocords (sold separately).

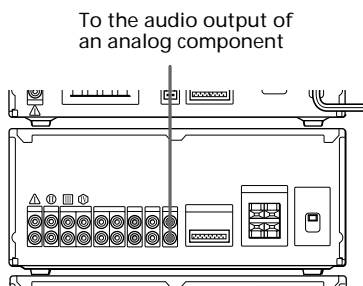
If you connect the optional TC-TX770 tape deck, see "Connecting the optional TC-TX770 tape deck" on page 84 (DHC-EX880MD only).

See the operating instructions included with the tape deck for details.



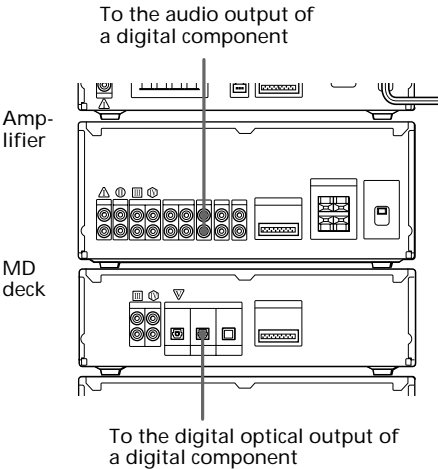
Connecting other analog components

Connect the analog component to the VIDEO3 jacks (VIDEO jacks for DHC-MD717) on the amplifier using an audiocord (sold separately).

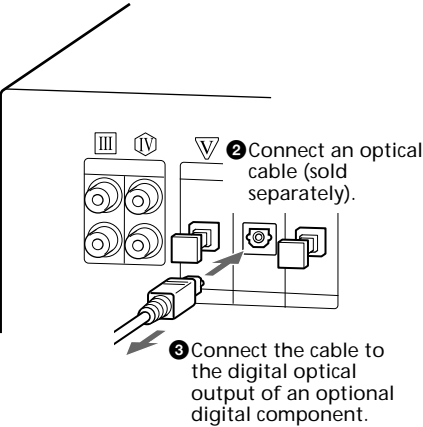
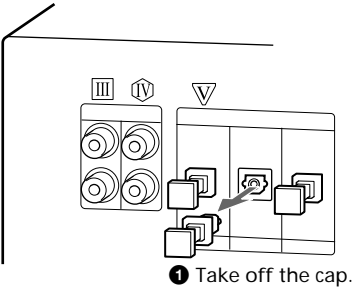


Connecting digital components

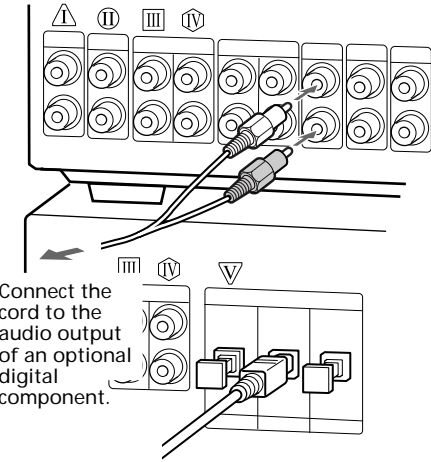
Connect the digital component to the VIDEO 1 DIGITAL IN jack (CS/BS DIGITAL IN jack for DHC-MD717) (digital) on the MD deck using an optical cable (sold separately), and to the VIDEO 1 IN jacks (CS/BS IN jacks for DHC-MD717) (analog) on the amplifier using an audiocord (sold separately). The digital audio signal from the connected component is digitally recorded to the MD.



1 Connect an optical cable (sold separately).



2 Connect an audiocord (sold separately).



Connecting optional AV components (continued)

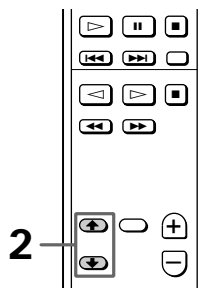
Tip

You can also connect a digital component to the VIDEO 2 DIGITAL IN jack (LD/DVD DIGITAL IN jack for DHC-MD717) (digital) on the MD deck and the VIDEO2 IN jacks (LD/DVD IN jacks for DHC-MD717) (analog) on the amplifier in the same manner.

Notes

- When you make a digital recording using an optical cable, the recording level is automatically adjusted. You cannot adjust the recording level.
- Many types of DVD software cannot be digitally recorded. In these cases, an analog recording is made even if the DVD player is connected using optical cables.

Listening to the sound of digital components



1 Prepare the connected digital component (e.g., CS/BS tuner).

2 Press FUNCTION \uparrow/\downarrow repeatedly to select the sound source.

Select "VIDEO1" ("CS/BS" for DHC-MD717) to listen to the sound of a component connected to the VIDEO1 jacks (CS/BS jacks for DHC-MD717).

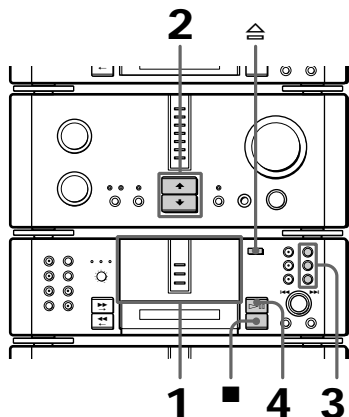
Select "VIDEO2" ("LD/DVD" for DHC-MD717) to listen to the sound of a component connected to the VIDEO2 jacks (LD/DVD jacks for DHC-MD717).

Note

You cannot listen to the sound of a digital component just by connecting the optical cable. You must also connect the digital component to the analog input jacks on the amplifier using an audio cord.

When you connect a digital component to the VIDEO 1 DIGITAL IN jack (CS/BS DIGITAL IN jack for DHC-MD717), connect the audio cord to the VIDEO1 (CS/BS) jacks. When you connect a digital component to the VIDEO 2 DIGITAL IN jack (LD/DVD DIGITAL IN jack for DHC-MD717), connect the audio cord to the VIDEO2 (LD/DVD) jacks.

Recording the sound of digital components



1 Insert a recordable MD (see page 24).

2 Press FUNCTION \uparrow/\downarrow on the amplifier repeatedly to select the sound source.

Select "VIDEO 1" ("CS/BS" for DHC-MD717) to record the sound of a component connected to the VIDEO1 jacks (CS/BS jacks for DHC-MD717). Select "VIDEO 2" ("LD/DVD" for DHC-MD717) to record the sound of a component connected to the VIDEO2 jacks (LD/DVD jacks for DHC-MD717).

3 Press REC 1 – 3 for the slot containing the recordable MD. The MD deck stands by for recording.

4 Press \triangleright on the MD deck (or MD \blacksquare on the remote). Recording starts.

To stop recording

Press \blacksquare on the MD deck.

If "Analog REC!" appears

The optical cable is not connected, so the system is making an analog recording of the sound from the VIDEO1 or 2 jacks (CS/BS or LD/DVD jacks for DHC-MD717).

Note

Once the system has been set to analog recording, you must first switch the function to other than "VIDEO 1" or "VIDEO 2" ("CS/BS" or "LD/DVD" for DHC-MD717) to make a digital recording. In such a case, stop the recording and connect the optical cable, then press FUNCTION \uparrow/\downarrow repeatedly to select "VIDEO 1" or "VIDEO 2" ("CS/BS" or "LD/DVD" for DHC-MD717) again.

To record with the optional TC-TX770 tape deck (for DHC-EX880MD only)

Do the procedure in "Listening to the sound of digital components" to listen to the broadcast, then start recording with the deck.

Tips

- When you connect a digital component using an optical cable, the system makes a digital recording of the sound from the digital component. When you do not connect an optical cable, the system automatically makes an analog recording of the sound input from the audio cord. "Analog REC!" appears when analog recording starts.
- A built-in sampling rate converter lets you make a digital recording of the sound from a digital component to the MD deck regardless of the source frequency (32 kHz, 44.1 kHz, 48.0 kHz).

When recording is completed

Press \triangle and eject the MD. "TOC Writing" flashes and the MD Table of Contents (TOC) is updated.

While "TOC Writing" is flashing

Do not move the deck or pull out the power cord to ensure the complete recording. The deck is currently updating the Table of Contents (TOC).

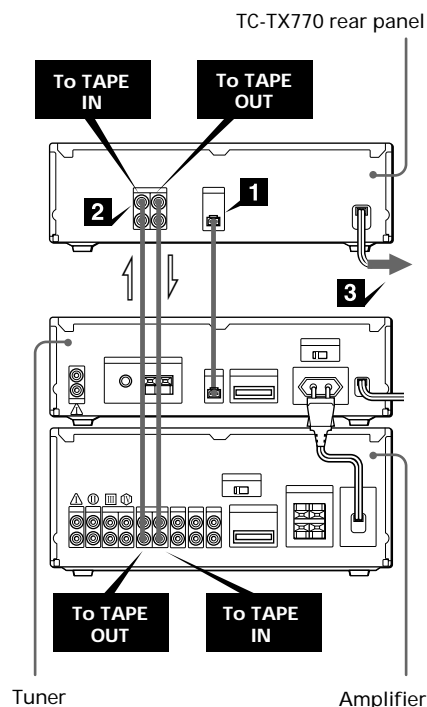
Connecting the optional TC-TX770 tape deck (DHC-EX880MD only)

You can use the optional TC-TX770 tape deck, which is designed for use with the DHC-EX880MD.

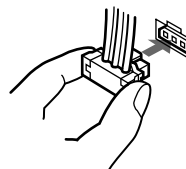
Perform the following procedure **1** to **3** to connect the TC-TX770 to your system using the cords supplied on the TC-TX770.

Note

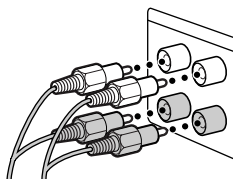
The TAPE IN/OUT and VIDEO 1 – 3 jacks on the DHC-EX880MD are equipped with a cap to prevent incorrect connections. Remove the cap before making connections, and keep it for future use. You can divide the cap into two parts. If you do not use the VIDEO 1 – 3 jacks, leave them capped.



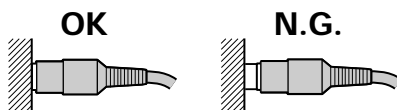
- 1 Connect the audio bus cable to the AU BUS connectors on each component until it clicks.



- 2 Connect the audio cords. Use the two audio cords, matching the color of the plugs and the jacks.



Insert the plugs firmly, pushing them in all the way.



- 3 Connect the power cord to a wall outlet after you have made all the connections of your system and tape deck.

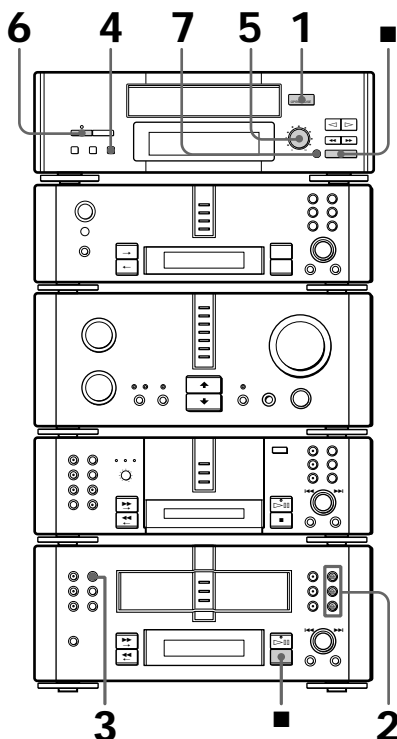
Recording a CD on a tape with the optional TC-TX770 tape deck

(DHC-EX880MD only)

— CD Synchro Recording

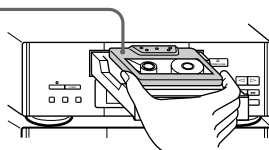
The CDSYNC button lets you record from a CD to a tape easily. You can use TYPE-I (normal), TYPE-II (CrO₂) and TYPE-IV (metal) tapes. The deck detects the tape type automatically.

See the operating instructions provided with TC-TX770 for other tape deck operations.



- 1 Press \triangle OPEN/CLOSE on the tape deck and insert a blank tape. Press \triangle OPEN/CLOSE again to close the tray.

With the side you want to record on facing up



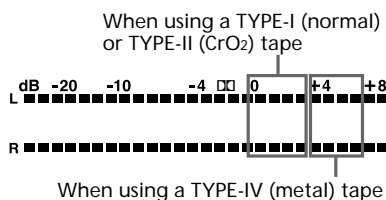
- 2 Place a CD (CDs) on each disc tray.
- 3 Press DISC SKIP (or CD D.SKIP on the remote) repeatedly until the CD 1 - 3 button you want lights green.

- 4 Press DIRECTION repeatedly to select the side you want to record on.

Select \rightleftarrows to record on one side Select \rightleftarrows to record on both sides.



- 5 Turn REC LEVEL to adjust the recording level.

While monitoring the sound at the highest level, adjust the recording level so that it falls within the range illustrated below.



Recording a CD on a tape with the optional TC-TX770 tape deck (continued)

6 Press CD SYNC on the tape deck.

The tape deck stands by for recording and the CD is in pause for playback. The CD SYNC indicator lights up and "PLAY   (for front side) appears.




7 Press on the tape deck.

Recording starts.

To stop recording


Press  on the tape deck or the CD player.

Tips

- Pressing I/⏻ (power) on the DHC-EX880MD automatically turns on the TC-TX770 deck if you connect them to each other using the audio bus cable.
- If you want to record from the reverse side, press < in step 6 so that "< PLAY   (for reverse side) appears.
- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side even though you select .
- When you want to reduce the hiss noise in low-level high-frequency signals, press DOLBY NR* repeatedly to select B or C before step 5. You cannot switch DOLBY NR during recording.
- If the tape reaches the end of its front side while dual-sided recording, the fadeout feature works so that a track is not abruptly cut off at the end of the tape (Fade Synchro). The track will be recorded again from the beginning on the reverse side. The Fade Synchro feature works during one-side recording, too.
- You cannot perform CD Synchro Recording by pressing the CD SYNC buttons on both the tape deck and the MD deck at the same time. Use the CD Synchro Recording feature for a tape and record on an MD manually. This method is recommended since on the MD deck, you can erase the overlapping track recorded using the Fade Synchro feature just by specifying its track number (Erase Function).

Note

You cannot listen to other sources while recording.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

Precautions

On operating voltage

Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the component, unplug the stereo system and have the component checked by qualified personnel before operating it any further.
- The AC power cord must be changed only at the qualified service shop.

On placement

- Place the stereo system in a location with adequate ventilation to prevent heat build-up in the stereo system.
- Do not place the system in an inclined position.
- Do not place the system in locations where it is:
 - Extremely hot or cold
 - Dusty or dirty
 - Very humid
 - Vibrating
 - Subject to direct sunlight.

On operation

- If the stereo system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player or the MD deck. Should this occur, the system will not operate properly. Remove the CD or MD and leave the system turned on for about an hour until the moisture evaporates.

If you have any questions or problems concerning your stereo system, please consult your nearest Sony dealer.

On the speaker system

For SS-EX880

This speaker system is not magnetically shielded. Locate the speaker system further away from the TV set. Furthermore, be sure not to place objects in which magnets are attached or used near the TV set, such as audio racks, TV stands, toys etc. These may cause magnetic distortion to the picture due to their interaction with the system.

For SS-MD717

Although this speaker system is magnetically shielded, there may be cases where the picture on some TV sets becomes magnetically distorted. In such a case, turn off the power of the TV set/ personal computer set once, and after 15 to 30 minutes turn it on again.

When there seems to be no improvement, locate the speaker system further away from the TV set. Furthermore, be sure not to place objects in which magnets are attached or used near the TV set, such as audio racks, TV stands, toys etc. These may cause magnetic distortion to the picture due to their interaction with the system.

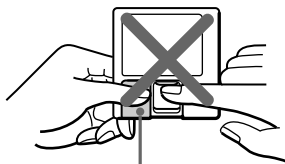
Precautions when moving the system

- Make sure you remove all discs, and turn off the system. If you move the system with the discs inserted, you may be unable to remove the discs.
- Before you move the system, turn off the system and make sure all operations have finished. Then do the following:
 - Insert the transport cartridge to the lowermost slot of the MD deck with the arrow side up in the direction of the arrow. Insert the cartridge firmly, then close the door of the MD deck. Do not move the MD deck without inserting the transport cartridge, as this may cause deck trouble.
 - Insert the transit key firmly into the hole on the bottom of the CD player, and turn it 90° to lock it. Do not move the CD player without locking the transit key, as this may cause CD player trouble.

Precautions (continued)

Notes on MDs

- Do not open the shutter to expose the MD. Close the shutter immediately if the shutter opens.



r e t t u h s

- Do not affix labels or seals to the shutter. The shutter may be unable to open, resulting in mechanical trouble.
- Wipe the disc cartridge with a dry cloth to remove dirt.
- Do not expose the MD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

Notes on CDs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.
- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

Cleaning the cabinet

Use a soft cloth slightly moistened with mild detergent solution. Do not use solvents such as benzene, thinner or alcohol as these may damage the surface.

System limitations of MDs

The recording system in your MD deck has the limitations described below. Note, however, that these limitations are due to the inherent nature of the MD recording system itself and not to mechanical causes.

“Disc Full” lights up before the MD has reached the maximum recording time (60 or 74 minutes)

When 255 tracks have been recorded on the MD, “Disc Full” lights up regardless of the total recorded time. More than 255 tracks cannot be recorded on the MD. To continue recording, erase unnecessary tracks or use another recordable MD.

“Disc Full” lights up before the maximum number of tracks (255) is reached

Fluctuations in emphasis within tracks are sometimes interpreted as track intervals, increasing the track count and causing “Disc Full” to light up.

The remaining recording time does not increase even after erasing numerous short tracks

Tracks shorter than 12 seconds long are not counted, so erasing them may not increase the recording time.

Some tracks cannot be combined with others

Track combination may become impossible when tracks are shorter than 12 seconds long.

The total recorded time and the remaining time on the MD may not reach the maximum recording time (60 or 74 minutes)

Recording is done in minimum units of 2 seconds each, no matter how short the material. The contents recorded may thus be shorter than the maximum recording capacity. Disc space may also be further reduced by scratches.

The sound may drop-out while searching the edited tracks

Tracks created through editing may exhibit sound dropout during searching because high-speed playback takes time to search for the position on the disc when the tracks are scattered on the disc.

Track numbers cannot be marked

When “LevelSync ON” (page 52) is displayed during analog recording, the track numbers may not be marked at the beginning of the track:

- if the input signal is below a certain fixed level for less than two seconds.
- if the input signal is below a certain fixed level for more than two seconds in the middle of the track.

Guide to the Serial Copy Management System

Digital audio components, such as CDs, MDs, and DATs let you copy music easily with high quality, for these digital products process music as a digital signal.

To protect the copyrighted music programs, this system uses the Serial Copy Management System which allows you to make only a single copy of a recorded digital source through digital-to-digital connections.

You can make only a first generation copy* through a digital-to-digital connection.

That is:

- 1** You can make a copy of a commercially available digital sound program (e.g., a CD and an MD), but you cannot make a second copy from the first-generation copy.
- 2** You can make a copy of a digital signal from a digitally recorded analog sound program (e.g., an analog record and a music cassette tape) or from a digital satellite broadcast program, but you cannot make a second copy.

* A first-generation copy means a digital recording of a digital signal made on digital audio equipment. For example, if you record from this system's CD player to this MD deck, you would make a first-generation copy.

Notes

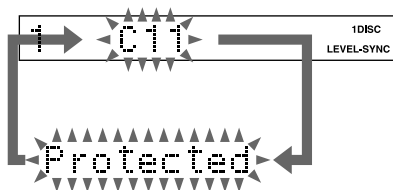
- This copy management system does not apply when you make a recording through analog-to-analog connections.
- This system's MD deck supports the 32 kHz or 48 kHz sampling frequency of the DAT deck or digital satellite broadcast programs as well as the 44.1 kHz sampling rate of the MD deck. You can make a second copy from a digital recording of a satellite broadcast program.
- Some DVD software cannot be copied through digital-to-digital connections.

Self-diagnosis display function

(If a 3-digit code and a message appear alternately)

This system has a self-diagnosis display function that alternately displays a 3-digit code and a message to inform you when it is not operating properly.

Check the display, then perform the measures in the table below to remedy the problem. Should any problem persist even after two or three times, consult your nearest Sony dealer.



Code/Message	Cause and countermeasure
C11/Protected	<p>The inserted disc is protected against erasure.</p> <p>→ Eject the disc, then slide the tab to close the slot (see page 39).</p>
C13/REC Error	<p>Recording could not be performed properly.</p> <p>→ Move the system to a place without vibration, then start recording over from the beginning (see the MD item “The sound skips” under “Troubleshooting” on page 98).</p> <p>The disc is dirty (e.g., oil film, fingerprints) or scratched, or a non-standard disc is inserted in the deck.</p> <p>→ Replace the disc, then start recording over from the beginning.</p>
C13/Disc Error	<p>The disc could not be read properly.</p> <p>→ Eject the disc, then insert it again.</p>
C14/Disc Error	<p>The disc could not be read properly.</p> <p>→ Insert a different disc.</p> <p>→ If the entire contents of the disc may be erased, use the All Erase function to erase all the recorded contents (see page 61).</p>
C71/Check OPT-IN	<p>This may appear momentarily and then turn off depending on the digital broadcast signal being recorded. In such a case, there is no effect on the recording.</p> <p>The optical cable was pulled out or the connected digital component was turned off while making a digital recording from a component connected to the VIDEO 1 or VIDEO 2 DIGITAL IN jack (CS/BS or LD/DVD DIGITAL IN jack for DHC-MD717).</p> <p>→ Connect the cable or turn on the digital component.</p>

Display messages

One of the following messages may appear or flash in the display during operation.

MD

Message	Cause and countermeasure
Analog REC!	The system is making an analog recording of the sound from a component connected to the VIDEO1 or 2 jacks (CS/BS or LD/DVD jacks for DHC-MD717). → —
Auto Cut	Silence continued for 30 seconds or more during digital recording, so the Auto Cut function activated to replace the silence with a blank of about 3 seconds and pause the recording. → Press ▷ to restart the recording at the desired point. If you do not want to shorten the space between tracks, turn off the Smart Space feature (see page 54), then start recording over from the beginning.
Blank Disc	The inserted recordable MD is brand new or all tracks on the MD have been erased using the Erase Function. → —
Cannot Copy	The sound source is a copy of a commercially available music software. → The Serial Copy Management System prevents you from making a digital copy (see page 89).
Cannot Edit	A commercially available premastered MD is inserted in the deck. → You cannot edit a premastered MD. The deck is in Program or Shuffle Play mode. → Press CONTINUE to return to normal play.
Cannot REC	A commercially available premastered MD is inserted in the deck. → You cannot record on a premastered MD.
Complete	MD editing finished normally. → —
Disc Full	There is no time remaining on the disc. → Replace the disc with a new one.
Eject	The system is ejecting the disc. → —
Impossible	You tried to do an impossible MD editing operation. → Start editing over from the beginning (see pages 64 and 66). You cannot combine the track due to the system limitations of MDs. → Editing cannot be done as specified. MDs do not record a track continuously, but instead record the data efficiently while searching for empty space on the disc. This lets you record and edit an MD repeatedly. However, when you repeatedly record and edit an MD, the track is recorded bit by bit scattered over the disc. These scattered tracks cannot be combined with other tracks due to the system limitations of MDs.

Display messages (continued)

Message	Cause and countermeasure
MECHA ERROR	The transport cartridge is still inserted. → Turn off the system and wait for the mechanism to come to a complete stop, then remove the cartridge.
NO DISC	There is no disc in the MD deck. → —
Name Full	There is no more space to store disc or track titles (you have already input 1,700 characters). → Erase unnecessary track titles, then input the title again.
New	You specified recording on a brand new MD or from the last recorded portion. → —
No Name	You tried to show the name of a non-labeled disc or track. → You can assign disc and track names to a recordable MD (see page 57).
No Track	The inserted disc has a disc title but no tracks. → —
—OVER—	You have reached the end of the disc while pressing ►► during playback pause. → Keep pressing ◀◀ or turn SELECTOR to return to the desired playback position.
Position ok?	The portion to be divided by the Divide Function is being played back. → Listen to the played contents to confirm or change the position to be divided (see page 64).
Push STOP !	You pressed CONTINUE, PROGRAM or SHUFFLE while an MD is playing. → You cannot change the play mode during playback. Press ■ to stop play, then press the desired button.
Rehearsal	The portion to be divided by the Divide Function is being played back for confirmation. → Listen to the played contents to confirm the position to be divided (see page 64).
Smart Space	Silence continued for 3 or more but less than 30 seconds during digital recording, so the Smart Space function activated to replace the silence with a blank of about 3 seconds. → If you do not want to shorten the space between tracks, turn off the Smart Space feature (see page 54).
TOC Reading	The deck is reading the MD Table of Contents (TOC). → Wait until “TOC Reading” turns off. Do not move the deck until “TOC Reading” turns off to ensure proper reading.
TOC Writing	The MD Table of Contents (TOC) is being updated. → Wait until “TOC Writing” turns off. Do not move the deck until “TOC Writing” turns off to ensure the complete recording or editing.
Track End	You have reached the end of the disc while adjusting the position to be divided. → Change the position (see page 64).

Tuner (Radio)

Message	Cause and countermeasure
Name Full	There is no more space to store station names (you have already input 10 characters). → Erase unnecessary characters, then input the name again (see page 69).

CD

Message	Cause and countermeasure
File Full	There is no more space to store disc titles (you have already input 100 disc titles). → Erase unnecessary disc titles, then input the disc title again (see page 30).
LOCK ?	You have not removed the transit key from the bottom of the CD player. → Turn off the system and wait until the clock appears in the display, then remove the transit key (see page 5) and turn on the system again. If “LOCK ?” still appears, consult your nearest Sony dealer.
—OVER—	You have reached the end of the disc while pressing ►► during playback pause. → Keep pressing ◀◀ or turn SELECTOR to return to the desired playback position.

Troubleshooting

If you run into any problem using this stereo system, use the following checklist.


First, check that the power cord is disconnected firmly and the speakers are connected properly and firmly. Should any problem persist, consult your nearest Sony dealer.

General





Symptom	Cause and countermeasure
There is no sound.	The volume is too low. → Turn VOLUME clockwise.
	The headphones are connected. → Pull out the headphones.
	The speakers are not connected properly. → Connect the speaker cords properly (see page 7).
Sound comes from one channel or unbalanced left and right volume.	<ul style="list-style-type: none"> • The speaker cords are not connected properly (+/-). • The vinyl portion of the speaker cords is inserted into the SPEAKER terminals. → Connect the speaker cords properly (see page 7).
	The speaker placement (left/right) is reversed. → Place the speakers properly (see page 8).
	The heights and distances of the left and right speakers differ greatly. → Place the speakers as symmetrically as possible.
	Two or more speakers are connected to the same SPEAKER terminals. → Connect only one of the supplied speakers to each set of SPEAKER terminals.
	The connected speakers are not the supplied ones. → Connect the supplied speakers.
There is severe hum or noise.	A TV, VCR or other source of noise is placed too close to the stereo system. → Move the system away from the source of noise.
	A refrigerator or other source of noise is connected to the same wall outlet. → Connect the system to a different wall outlet.
	→ Install a noise filter (sold separately) to the power line.
"0:00" (for DHC-EX880MD) or "12:00AM" (for DHC-MD717) flashes in the display.	The power cord was unplugged or a power interruption occurred, erasing the clock setting. → Set the clock again (see page 12).
The timer cannot be set.	<ul style="list-style-type: none"> • The clock is not set. • A power interruption occurred, erasing the clock setting. → Set the clock again (see page 12).

Symptom	Cause and countermeasure
The timer does not function.	The timer was not set correctly before you turned off the system. → Press ONCE, DAILY or REC to set the timer and light up the indicator (see pages 75 and 78).
	The set time is incorrect. → Check the set contents and set the correct time (see pages 75 and 78).
	(For DHC-EX880MD only) The audio bus cable of the optional TC-TX770 tape deck is not connected. → Connect the audio bus cable properly (see page 84).
	The timer of the connected optional component is not set. → Refer to the operating instructions included with the connected component and set the timer to the same time as the system's timer.
The remote does not function.	There is an obstacle between the remote and the system. → Remove the obstacle.
	The remote is too far from the system. → Move the remote closer to the system.
	The remote is not pointing in the direction of the system's sensor. → Point the remote at the system's sensor.
	The remote's batteries have run down. → Replace the batteries (R6/size AA).
	The system is near an inverter type fluorescent light. → Locate the system away from the fluorescent light.
A 3-digit code and a message appear alternately in the display.	The self-diagnosis display function is activated. → Take the appropriate measures (see page 90).

CD

Symptom	Cause and countermeasure
The disc tray will not open.	You have not removed the transit key from the bottom of the CD player. → Turn off the system and wait until the clock appears in the display, then remove the transit key (see page 5) and turn on the system again. If the disc tray still does not open, consult your nearest Sony dealer.
The disc tray will not close.	The disc is not placed in the center of the tray. → Place the disc properly in the center of the tray.
	You tried to forcibly press the disc tray closed. → Always close the tray by pressing  . Trying to press the tray closed with your fingers may cause CD player trouble.

Troubleshooting (continued)

Symptom	Cause and countermeasure
The disc does not eject.	<p>The system was moved or shaken with a disc loaded, and the disc has become lodged inside the CD player.</p> <p>→ Consult your nearest Sony dealer.</p>
The CD will not play.	<p>There is no disc in the CD player.</p> <p>→ Open the disc tray and check whether a disc is loaded. If you open and close the disc tray while listening to the radio, the CD indicator lights up even when a CD is not loaded.</p> <p>The disc is dirty (e.g., oil film, fingerprints).</p> <p>→ Wipe the disc clean (see page 88).</p> <p>The disc is scratched.</p> <p>→ Replace the disc.</p> <p>The disc is off-center.</p> <p>→ Place the disc properly in the center of the tray.</p> <p>The CD is inserted with the label side down.</p> <p>→ Place the CD in the tray with the label side up.</p> <p>Moisture condensation has built up on the lens inside the CD player or on the disc.</p> <p>→ Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.</p> <p>The CD player is not set to play mode.</p> <p>→ Press FUNCTION / on the amplifier to switch the function to CD, then press  on the CD player (or CD  on the remote) to start play.</p>
The sound skips.	<p>The disc is dirty (e.g., oil film, fingerprints).</p> <p>→ Wipe the disc clean (see page 88).</p> <p>The disc is scratched.</p> <p>→ Replace the disc.</p> <p>The disc you tried to play is a non-standard size or shape, or uses a non-standard recording method.</p> <p>→ Replace the disc.</p> <p>The system is subject to vibration.</p> <p>→ Try moving the system to a place without vibration (e.g., on top of a stable stand).</p> <p>→ Try moving the speakers away from the system, or placing them on separate stands.</p> <p>When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.</p>








Symptom	Cause and countermeasure
Play does not start from the first track.	The player is in Program or Shuffle Play mode. → Press CONTINUE to return to normal play.
"—OVER—" is displayed.	You have reached the end of the disc while pressing ►►. → Keep pressing ◀◀ or turn SELECTOR to return to the desired playback position.

Tuner (Radio)

Symptom	Cause and countermeasure
Severe hum or noise/stations cannot be received.	<p>The broadcast station band (FM, MW and LW for DHC-EX880MD, FM and AM for DHC-MD717) or frequency are not correct. → Set the proper band and frequency (see page 13).</p> <p>The antenna is not connected properly. → Connect the antenna properly (see pages 8 to 10).</p> <ul style="list-style-type: none"> • The antenna is set up in a place with poor reception. • The signal strength is too weak. <p>→ Find a place (e.g., outside a window) and an orientation that provide good reception, then set up the antenna again. The supplied FM lead antenna may not provide good reception inside a steel reinforced concrete or steel-frame building. If you cannot obtain good reception even when you place the supplied antenna outside a window, we recommend you connect an optional outdoor antenna.</p> <p>Part of the antenna is folded, tied or rolled up. → The supplied FM lead antenna receives signals along its entire length, so make sure you extend it fully (see pages 9 to 11). → Fasten the tip of the supplied FM lead antenna to a wall with tape or a tack (see page 11).</p> <p>Part of the antenna is tied together with the speaker cord. → Locate the antennas as far away from the speaker cords as possible.</p> <p>The supplied AM antenna has come off the plastic stand. → Consult your nearest Sony dealer.</p> <p>The system is affected by electrical equipment. → Try turning off the electrical equipment.</p>
A stereo FM program cannot be received in stereo.	<p>The tuner is set to MONO. → Press STEREO/MONO until "STEREO" appears in the display.</p> <p>Reception is poor. → See "Severe hum or noise/stations cannot be received" on this page and check the antenna condition.</p>

Troubleshooting (continued)

MD



Symptom	Cause and countermeasure
An incompletely inserted disc cannot be pulled out.	The disc is not inserted properly. → Press  and pull out the disc.
A disc cannot be inserted.	The disc is upside-down or facing the wrong direction. → Insert the disc with the arrow side up in the direction of the arrow.
The controls do not work.	<ul style="list-style-type: none"> • The MD is dirty or damaged. • "Disc Error" appears in the display. → Replace the MD with a new one.
Play does not start.	<p>The disc is dirty (e.g., oil film, fingerprints) or scratched. → Replace the disc.</p> <p>Nothing is recorded on the disc. → Replace the disc with a recorded one.</p> <p>Moisture condensation has built up on the lens inside the MD deck or on the disc. → Insert the disc and leave the system turned on for a few hours until the moisture evaporates.</p> <p>The MD deck is not set to play mode. → Press FUNCTION / on the amplifier to switch the function to MD, then press  on the MD deck (or MD  on the remote) to start play.</p>
The sound skips.	<p>The disc is dirty (e.g., oil film, fingerprints) or scratched. → Replace the disc.</p> <p>The system is subject to vibration. → Try moving the system to a place without vibration (e.g., on top of a stable stand). → Try moving the speakers away from the system, or placing them on separate stands. When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.</p> <p>The inside of the system and the disc are different temperatures. → Insert the disc and wait for 10 to 20 minutes with the system turned on.</p>
Play does not start from the first track.	<p>The deck is in Program or Shuffle Play mode. → Press CONTINUE to return to normal play.</p>
"—OVER—" is displayed.	<p>You have reached the end of the disc while pressing .</p> → Keep pressing  or turn SELECTOR to return to the desired playback position.
Recording or editing was done, but the TOC is not updated.	<p>You pulled out the power cord without ejecting the MD after recording or editing an MD.</p> → MD recording and editing contents are written to the MD when the MD is ejected, so make sure you eject the MD after recording or editing (see pages 18, 24, 38 and 56).
Recording is not possible.	<p>The MD is protected against erasure ("Protected" appears). → Eject the disc and slide the tab to close the slot (see page 39).</p> <p>An optional AV component is not connected properly. → Connect the optional AV component properly (see page 80).</p>

Symptom	Cause and countermeasure
Recording is not possible.	The sound source is set to MD. → Switch to another sound source.
	A premastered MD is inserted in the deck. → Replace the MD with a recordable MD.
	There is no time remaining on the MD. → Replace the disc with a recordable MD, or use the Erase Function to erase unnecessary tracks (see page 60).
	The power cord was unplugged or a power interruption occurred during recording. → Start recording over from the beginning.

Optional components

Symptom	Cause and countermeasure
There is no sound.	The system is not set properly. → Refer to General item "There is no sound" on page 94 and check the condition of the system.
	The optional AV component is not connected properly. → Connect the component properly (see page 80) while checking: <ul style="list-style-type: none"> • if the audio cords are connected properly. • if the cable connectors are firmly inserted all the way. You cannot listen to the sound of a digital component just by connecting the optical cable (sold separately). You must also connect the digital component using an audio cord (sold separately).
	The connected component is not turned on. → Turn on the connected component.
	The connected component has not started playback. → Refer to the operating instructions included with the connected component and start playback.

If other troubles not described above occur, reset the system as follows:

- 1 With the system turned on, hold down MENU/NO and TUNING MODE (for DHC-EX880MD) or PRESET (for DHC-MD717) on the tuner and press  (power).
"COLDSETOK!" appears.
- 2 Press  (power) again.
"OFF" appears, followed by the clock.
- 3 Unplug the power cord.
- 4 Plug the power cord into the wall outlet.

The system is reset to the factory settings. All the settings you made such as the preset stations, clock, timer and CD disc titles are cleared. You should set them again.

Specifications

The DHC-EX880MD consists of the following components:
CD player CDP-EX880, Tuner ST-EX880, MiniDisc deck MDS-EX880, Integrated stereo amplifier TA-EX880, Speaker system SS-EX880.

The DHC-MD717 consists of the following components:
CD player CDP-MS717, Tuner ST-MS717, MiniDisc deck MDS-MS717, Integrated stereo amplifier TA-MS717, Speaker system SS-MD717.

Amplifier section (DHC-EX880MD: TA-EX880 DHC-MD717: TA-MS717)

TA-EX880:
DIN power output 45 + 45 watts (6 ohms at 1 kHz, DIN)
Continuous RMS power output 59 + 59 watts (6 ohms at 1 kHz, 10% THD)
Music power output 105 + 105 watts

TA-MS717:
Continuous RMS power output 55 + 55 watts (6 ohms at 1 kHz, 5% THD)

Inputs
CD IN, MD IN (phono jacks):
voltage 450 mV,
impedance 47 kilohms
TUNER IN, TAPE IN, VIDEO1 IN (CS/BS IN)*, VIDEO2 IN (LD/DVD IN)*, VIDEO3 IN (VIDEO IN)* (phono jacks):
voltage 250 mV,
impedance 47 kilohms

* For DHC-MD717

Outputs
MD OUT, TAPE OUT (phono jacks):
voltage 250 mV,
impedance 1 kilohm
PHONES (stereo phone jack):
accepts headphones of 8 ohms or more.
SPEAKER:
accepts impedance of 6 to 16 ohms.
Dimensions (w/h/d) incl. projecting parts and controls: Approx. 280 x 125 x 300 mm
Mass Approx. 5.0 kg

CD player section (DHC-EX880MD: CDP-EX880 DHC-MD717: CDP-MS717)

System Compact disc and digital audio system
Laser Semiconductor laser ($\lambda = 780 \text{ nm}$)
Emission duration: continuous
Laser output Max. 44.6 μW^*
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Frequency response 2 Hz to 20 kHz ($\pm 0.5 \text{ dB}$)
CD OPTICAL DIGITAL OUT (Square optical connector jack, rear panel)
Dimensions (w/h/d) incl. projecting parts and controls: Approx. 280 x 125 x 350 mm
Mass Approx. 3.9 kg

MD deck section (DHC-EX880MD: MDS-EX880 DHC-MD717: MDS-MS717)

System MiniDisc digital audio system
Laser Semiconductor laser ($\lambda = 780 \text{ nm}$)
Emission duration: continuous
Laser output Max. 44.6 μW^*
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Recording time 74 minutes max. (using MDW-74)
Sampling frequency 44.1 kHz
Frequency response 5 Hz to 20 kHz
MD OPTICAL DIGITAL IN (CD PLAYER, VIDEO 1, VIDEO 2 for DHC-EX880MD; CD PLAYER, CS/BS, LD/DVD for DHC-MD717) (Square optical connector jacks, rear panel)
Dimensions (w/h/d) incl. projecting parts and controls: Approx. 280 x 90 x 350 mm
Mass Approx. 2.8 kg

Tuner section

(DHC-EX880MD: ST-EX880

DHC-MD717: ST-MS717)

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

ST-EX880: 87.5 – 108.0 MHz
(50 kHz step)

ST-MS717:

Tourist model: 76.0 – 108.0 MHz
(50 kHz step)

Other models: 87.5 – 108.0 MHz
(50 kHz step)

Antenna FM lead antenna

Antenna terminals 75 ohms unbalanced

Intermediate frequency 10.7 MHz

AM tuner section

Tuning range

ST-EX880: MW: 522 – 1,611 kHz
(with the interval set at 9 kHz)

LW: 144 – 288 kHz
(with the interval set at 3 kHz)

ST-MS717:

AM: 531 – 1,602 kHz
(with the interval set at 9 kHz)
530 – 1,710 kHz
(with the interval set at 10 kHz)

Antenna AM loop antenna,
outdoor antenna
terminals

Intermediate frequency 450 kHz

Dimensions (w/h/d) incl. projecting parts and controls: Approx. 280 x 90 x 295 mm

Mass Approx. 2.0 kg

Speaker

(DHC-EX880MD: SS-EX880

DHC-MD717: SS-MD717)

Speaker system 3-way, bass-reflex type

Speaker units

Woofer: 17 cm dia., cone type

Tweeter: 2.5 cm dia., dome type
(SS-EX880)

5 cm dia., cone type
(SS-MD717)

Super tweeter: 2 cm dia., dome type

Nominal impedance

6 ohms

Dimensions* (w/h/d) incl. projecting parts and controls: Approx. 220 x 430 x 275 mm

Mass* Approx. 5.5 kg net per speaker

* See the manual provided with your speaker system except for tourist model.

General

Power requirements

DHC-EX880MD: 220 – 230 V AC, 50/60 Hz
DHC-MD717: 110 – 120 V or 220 – 240 V AC, 50/60 Hz (adjustable with the voltage selector)

Power consumption 117 watts

Supplied accessories: Remote RM-SE717 (1)
Sony batteries (2)
AM loop antenna (1)
FM lead antenna (1)
Flat cord (1)
Audio cords (4)
Optical cable (1)
Speaker cords (2)
Plug adapter
(DHC-MD717 only) (1)

Design and specifications are subject to change without notice.

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